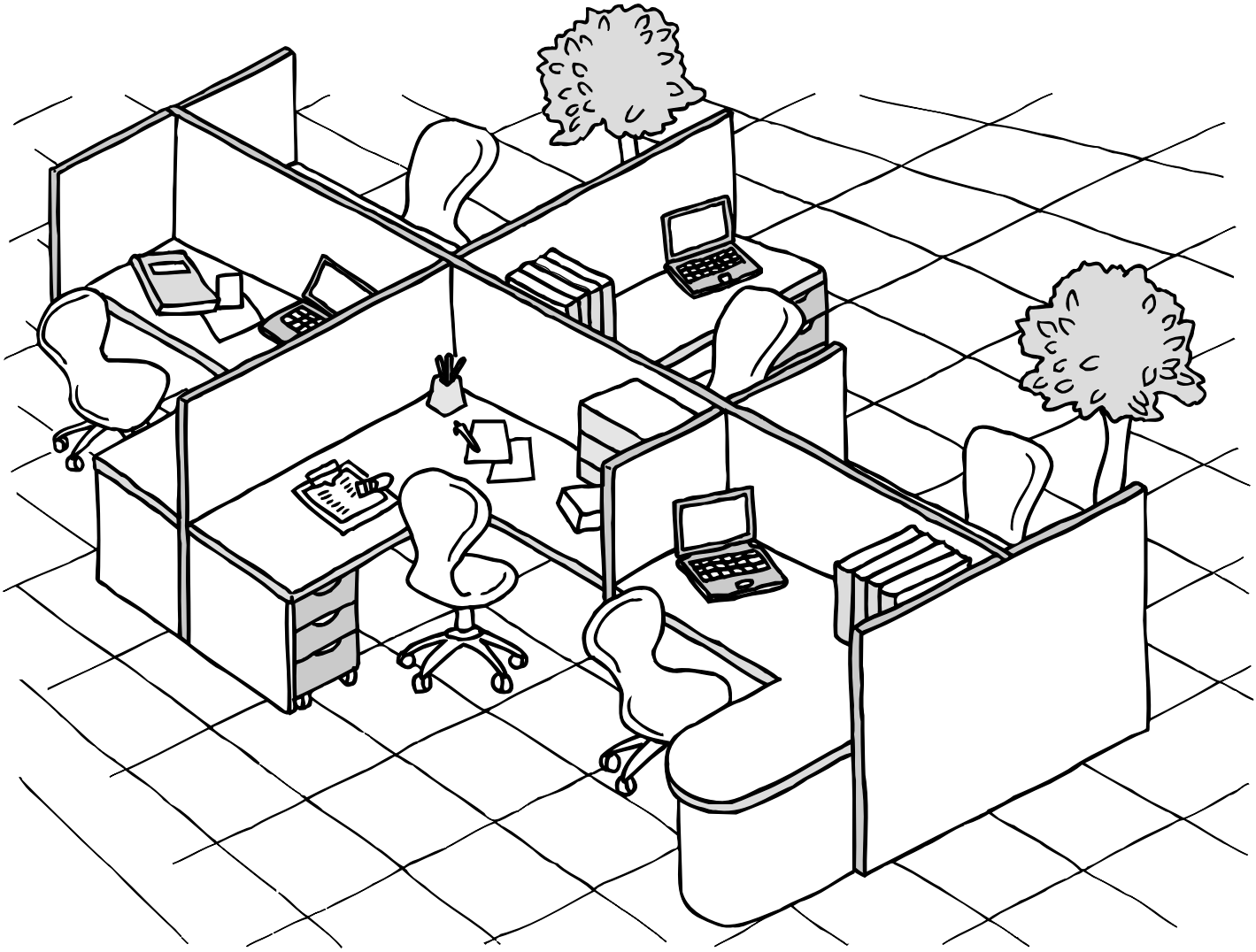
Panasonic®

Facsimile
Operating Instructions
(For Internet Fax/Email and Network Scan Functions)

Model No. UF-7000/8000



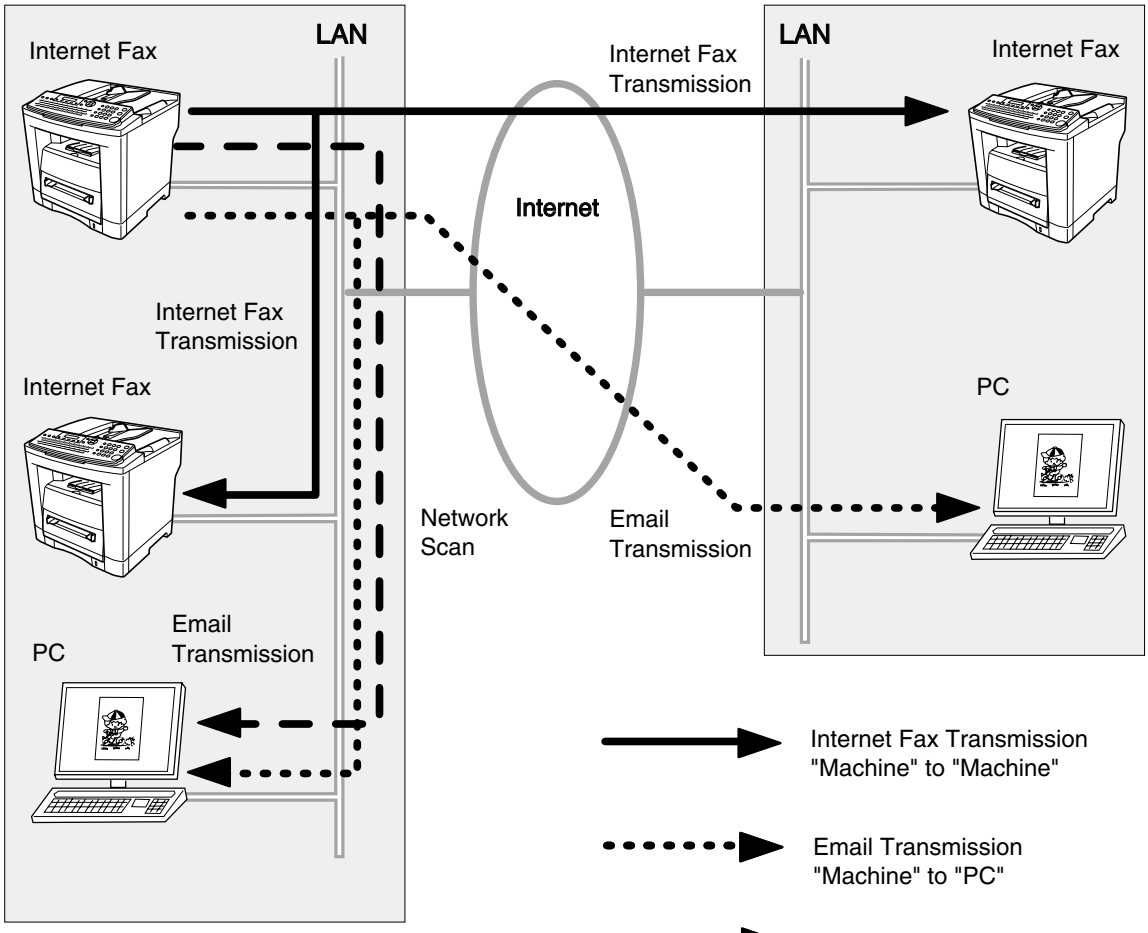
Panafax

Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

Getting To Know Your Machine

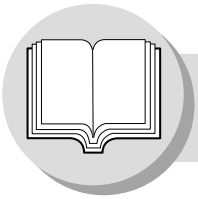
Internet Fax/Email/Network Scan Features



Internet Fax / Email Compatible File Format

Internet Fax	:	TIFF format only
Email	:	TIFF or PDF format
Network Scan	:	TIFF or PDF format

Operating Instructions Outline



Getting To Know Your Machine

■ Internet Fax/Email/Network Scan Features, Operating Instructions Outline, Quick Operation Chart, etc.

(see pages 2-16)

Internet Fax/Email Features

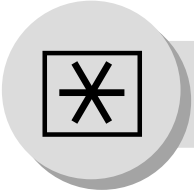
■ Pre-Installation Information/Features, etc.

(see pages 18-49)

Advanced Internet Fax Features

■ Internet Communication Features, etc.

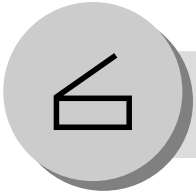
(see pages 50-71)



Setting Your Machine

■ Programming Auto Dialer, Fax Parameter, etc.

(see pages 72-98)



Network Scanner

■ Document Scanning, etc. (see pages 100-111)

Problem Solving

■ Troubleshooting, Information Codes, etc.

(see pages 112-117)

Appendix

■ Specifications, Glossary, Index, etc.

(see pages 118-125)

Getting To Know Your Machine

Symbols/Icons

The following Symbols/Icons are used throughout this Operating Instructions.

Place original(s) on the ADF

Press any Key on the control panel

Press Key

Input numbers

- Email Address, etc.

Input text with QWERTY Keyboard

Go to next step

Go to next step (below)

5

Ensure that the indicator lamp of the EMAIL button is ON. If not, press the EMAIL mode button.

Getting to know your machine Before starting

Internet Fax/Email Features

Network scan Features

When setting the machine modes

Problem solving

Appendix (Specifications, Glossary, Index, etc.)

Getting To Know Your Machine

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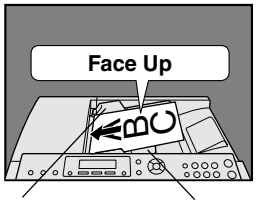
Getting To Know Your Machine

Operation Chart

■ Sending Documents via LAN

1



Original Guides* Max. 100 pages
Adjust to the original's width
Letter size originals

*Hold the center of the guides when adjusting the width.

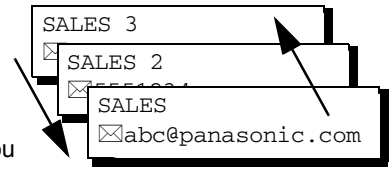
NOTE:
You must not try to send/scan an original shorter than 4.7 in (120 mm).

```
ENTER STATION(S)
THEN PRESS START 00%
```

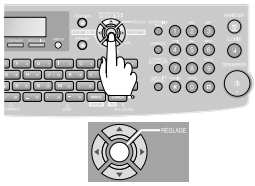
Make sure that the above message is shown on the display.
If not, press the STOP key.

3a **Quick Name Search Email Addressing (see Note 3)**
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

Enter the first letter of the name you wish to search repeatedly until it is shown on the LCD display.
Ex: "S"



(See Note 5)



3b **One-Touch/ABBR. Email Addressing (see Note 3)**
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

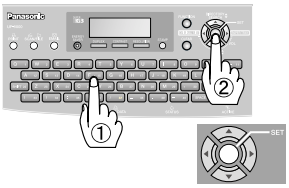
Select One-Touch.
(For details, see page 34)

or

ABBR DIAL + ABBR No. (3-digit)

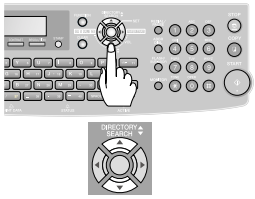
3c **Manual Email Addressing (Up to 50 Addresses)**

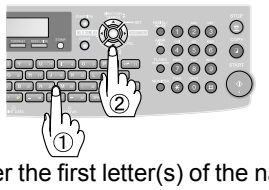
Change to Email Address input mode



Email Address(es)

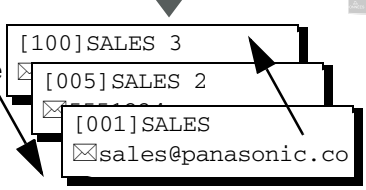
3d **Directory Search Email Addressing (see Note 3)**

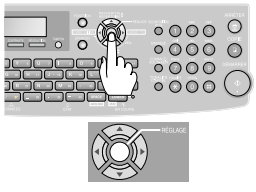




Enter the first letter(s) of the name you wish to search (▲/▼).
Ex: "SA"

```
ENTER LETTER (s)
SA
```





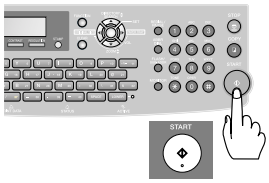
2

Select the desired Transmission setting. (See the column on the right)

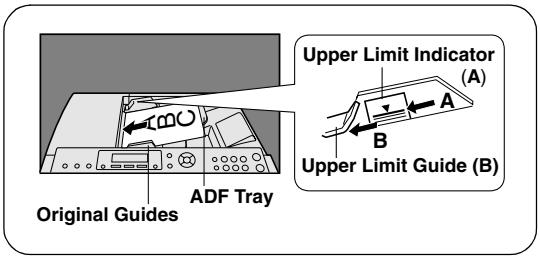
3a Quick Name Search Email Addressing
or
(3b One-Touch/ABBR. Email Addressing)
and/or
3c Manual Email Addressing
and/or
3d Directory Search Email Addressing

4

You can send the same document(s) to multiple stations. Multiple stations can be selected by any combination of the Steps 3a (3b), 3c and/or 3d, and then pressing START.



The document(s) is stored into memory with a file number. Then starts sending the document(s).



Transmission settings.

CONTRAST

Adjusting the Contrast of scanned image data by pressing cursor keys (◀/▶).

← Lighter Normal Darker →

CONTRAST
– [■■■] +

RESOLUTION

(See Note 4)

STANDARD for standard originals
FINE for detailed originals
S-FINE for finer detailed originals
600 dpi for 600 dpi detailed originals
HALFTONE (FINE)
for photo originals with Fine Resolution
HALFTONE (S-FINE)
for photo originals with S-Fine Resolution
HALFTONE (600 dpi)
for photo originals with 600 dpi Resolution

STAMP

Verification Stamp
ON : The light is lit.
OFF : The light is off.

NOTE

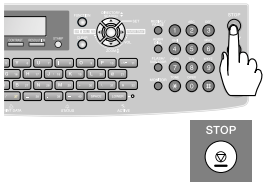
1. If your machine sounds an alarm (pi-pi-pi) in Step 3 above, this indicates that the Auto Dialer is Full (More than 50 full email addresses are entered or 50 transmission reservations including G3 communication jobs have been already reserved).
2. To utilize the Email functions, your machine needs to be set up properly on your network. Please contact your network administrator for actual network setup.
3. Auto dialer (Address Book or One-Touch/ABBR.) is only available when stations are registered. (See page 72)
4. When transmitting at S-Fine or 600 dpi, there is a possibility that printing quality may deteriorate at the remote station due to its reception capability. If this occurs, re-send with Direct Transmission or use "Fine" Resolution.
5. You can search for another name starting with the same character by scrolling with the Cursor Keys (▲/▼).

Getting To Know Your Machine

Operation Chart

■ To Stop the Transmission

1



2

```
COMMUNICATION STOP?
1:YES 2:NO
```

①

3

```
SAVE AS IMCOMP.FILE?
1:YES 2:NO
```

① : Save the file.

② : Delete the file.

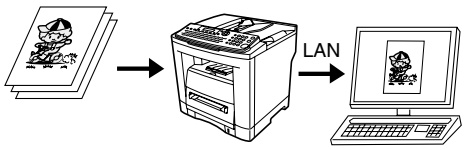
- If FAX Parameter No. 31 (**Incomplete File Save**) is "**Valid**" (see page 85).

■ Document Scanning via LAN

When the Panasonic Document Management System (Panasonic-DMS) is installed and configured on your PC, document(s) can be scanned from your machine to the PC.

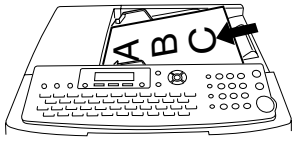
Direct Connection (with Crossover Cable, see page 110)

- Document Scanning directly from your machine to your PC using Windows "My Network Places" or "Network Neighborhood".

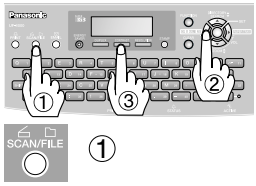


NOTE:
USB Port is used for printing only, and is not available for local scanning.

1



2



Original Size

LTR → INV → INV → LGL → MIX → LTR

② (loop back to LTR)

MIX : Letter and Legal

③ Select the desired Scanning setting. (See the column below)

Selecting the Scanning Resolution

150 dpi
300 dpi
600 dpi
Halftone (300 dpi)
Halftone (600 dpi)

Selecting the scanning contrast

```
CONTRAST
-[■■■    ]+
```

◀:Lighter ▶:Darker

NOTE

1. If the Email transmission cannot be completed for any reason, the Email may be returned or undelivered; otherwise no reply will be printed.

4 → 5

```
PRINT COMM. JOURNAL?
1:YES 2:NO
```

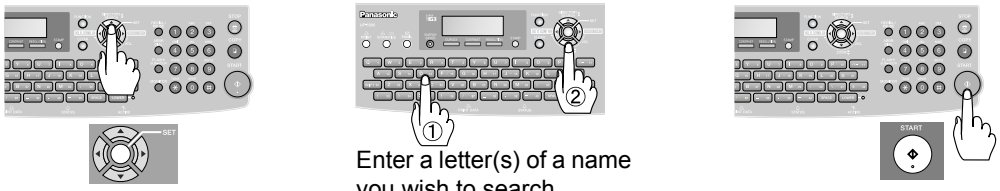
Stop the transmission.

① Print Communication Journal (COMM.JOURNAL)

Dialing (PC's IP Address)

Ex. Directory Search Addressing

3 → 4 → 5



NOTE:
For Quick Name Addressing, One-Touch/ ABBR. Addressing, refer to page 100.

Enter a letter(s) of a name you wish to search.
Ex: "SA"

```
ENTER LETTER (S)
SA_
```

```
[06]SALES 3
1 [05]SALES 2
1 [01]SALES
  10.74.252.66
```

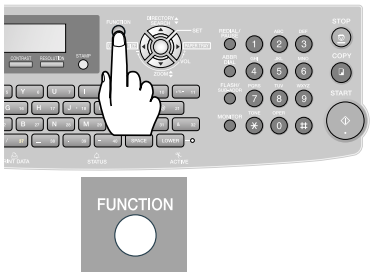
NOTE:
You can search for another name starting with same character by scrolling with the cursor keys (▲ / ▼).

NOTE

2. If the PC's IP address is not shown on the LCD of your machine, register the PC's IP address using your machine's Control Panel (see page 102).

■ Using the Functions

The following functions can be started by pressing FUNCTION first and then entering the function number, or by pressing ▼ or ▲ scroll key repeatedly until the desired function appears on the LCD display.



1 Deferred Communication
1 = Deferred Transmission
2 = Deferred Polling
3 = Advanced Communication

2 Advanced Communication
4 = Sub-Address Transmission
5 = LAN Relay Transmission (see Note 3) (See page 60)

3 Polling
1 = Polling
2 = Polled

6 Print Out
1 = Journal (Print/View)
2 = Address Book List
(One-Touch/ABBR. List)
3 = Program List
4 = Fax Parameter List (User Parameter List)
6 = Individual Transmission Journal
7 = Directory Sheet (see Note 1)

NOTE

1. Available when Fax Parameter No.119 is set to "1:One-Touch". (See page 86)
2. The Select Mode (FUNCTION ⑧) settings can be temporarily changed for the current communication. Upon its completion, however, these parameters are returned to their preset default values (Home position). You can change the Home position of these settings in the Fax Parameters mode. (See page 82)

7 Set Mode
1 = User Parameters
Date & Time
Logo
Character ID
ID Number (Fax Telephone Number)
Time Zone
(Internet Parameters)
2 = Address Book (See page 72)
(One-Touch/Abbreviated Numbers)
3 = Program Keys
4 = Fax Parameters
8 = Maintenance = Toner Order Form /
Toner Replacement / LCD Brightness

8 Select Mode (see Note 2)
1 = Communication Journal = OFF/ON/INC
2 = Delivery Notice = OFF/ON (See page 24)
3 = Cover Sheet = OFF/ON
5 = RCV to Memory = OFF/ON/PRINT
6 = File Type and Name = TIFF/PDF (See page 19, 24, 32, 88)
9 = Memory Transmission = OFF/ON

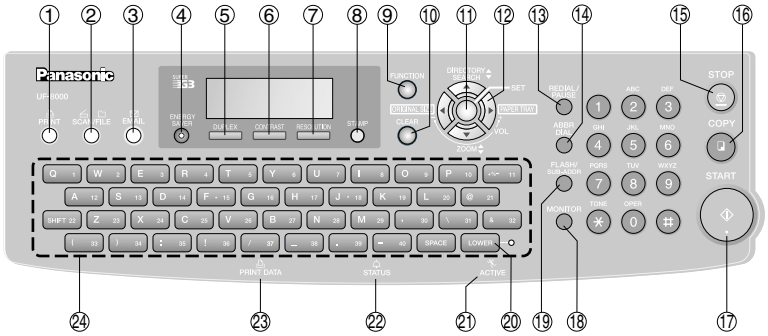
9 Edit File Mode
1 = File List (Print/View)
2 = Change Time/Station
3 = Delete File
4 = Print File
5 = Add Document
6 = Retry Incomplete File

NOTE

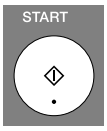
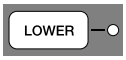
3. If the Fax Parameter No. 140 is not preset to "2:Valid" position, the display will not show the function. (See page 86)

Getting To Know Your Machine

Control Panel



No.	Icon	Contents	No.	Icon	Contents
①	PRINT	**PRINT Key** Used for Printer function.	②	SCAN/FILE	**SCAN/FILE Key** Used for Network Scanner Function.
③	EMAIL	**EMAIL Key** Used to select the Internet Fax/Email mode.	④	ENERGY SAVER	**ENERGY SAVER Key** Used to switch the machine into energy saving.
⑤	DUPLEX	**DUPLEX Key** Used to scan the document(s) on both faces.	⑥	CONTRAST	**CONTRAST Key** To adjust the Manual Exposure. (See page 9)
⑦	RESOLUTION	**RESOLUTION Key** Used to set Standard, Fine, Super Fine, 600 dpi, Halftone (Fine, Super Fine 600 dpi). (See page 9)	⑧	STAMP	**STAMP Key** Used to turn the verification stamp ON or OFF. Lights when the verification stamp is set to ON.
⑨	FUNCTION	**FUNCTION Key** Used to start or select the function and subfunctions. These functions are explained in detail on page 12.	⑫		**Cursor Keys** • Adjust the Monitor and Ringer Volume. • Move the cursor while entering numbers and characters. • Search the Station Name for Directory Search Dialing. • Confirm the entered station for multi-station communication. • Select functions. • Confirm the current communication modes (e.g. Page Number, ID, Dialed Telephone Number or Email Address, File Number) when the machine is ON LINE. **ORIGINAL SIZE Key** Used to select the original size manually. **PAPER TRAY Key** Selects the paper tray.
⑩	CLEAR	**CLEAR Key** Used this key when correcting entered numbers or characters.			
⑪	SET	**SET Key** Used to set operations.			

No.	Icon	Contents	No.	Icon	Contents
⑬		**REDIAL/PAUSE Key** Used to enter a pause when programming or dialing a telephone number, or to redial the last dialed number.	⑭		**ABBR DIAL Key** Used to start Abbreviated Dialing.
⑮		**STOP Key** Press this button when you want to stop telecommunication, registration operation or audible tone.	⑯		**COPY Key** Used for Copy function.
⑰		**START Key** Press this button to start transmitting or receiving a fax.	⑱		**MONITOR Key** Used for Facsimile function.
⑲		**FLASH/SUB-ADDR Key** Used to separate the Sub-Address from the telephone number when dialing, or to access some features of your PBX.	⑳		**LOWER Key** Used when selecting upper or Lower side of the desired One-Touch Key. (See pages 35, 74)
㉑		**ACTIVE LED (GREEN)** **Flashes:** When machine is active. **Lights**: When the received fax message is in memory.	㉒		**STATUS LED (RED)** Lights/Flashes when trouble occurs. **Lights:** Machine detected a trouble status • No paper in the selected tray or toner has run out. • Machine detected trouble, such as paper misfed or jammed. **Flashes:** Machine detected an alarm status • No paper in the Tray. (Tray not selected) • Toner is getting low, etc.
㉓		**PRINT DATA LED (GREEN)** **Flashes:** When receiving printing data. **Lights**: While printing.			
㉔		**QWERTY Keyboard (Character Keyboard)** • Used to input the Characters. • Used for One-Touch Keys. • Used to enter a symbol for the LOGO, Character ID, Station Name and for the Email address. Use ▼ or ▲ to select the desired symbol(s).			

Getting To Know Your Machine

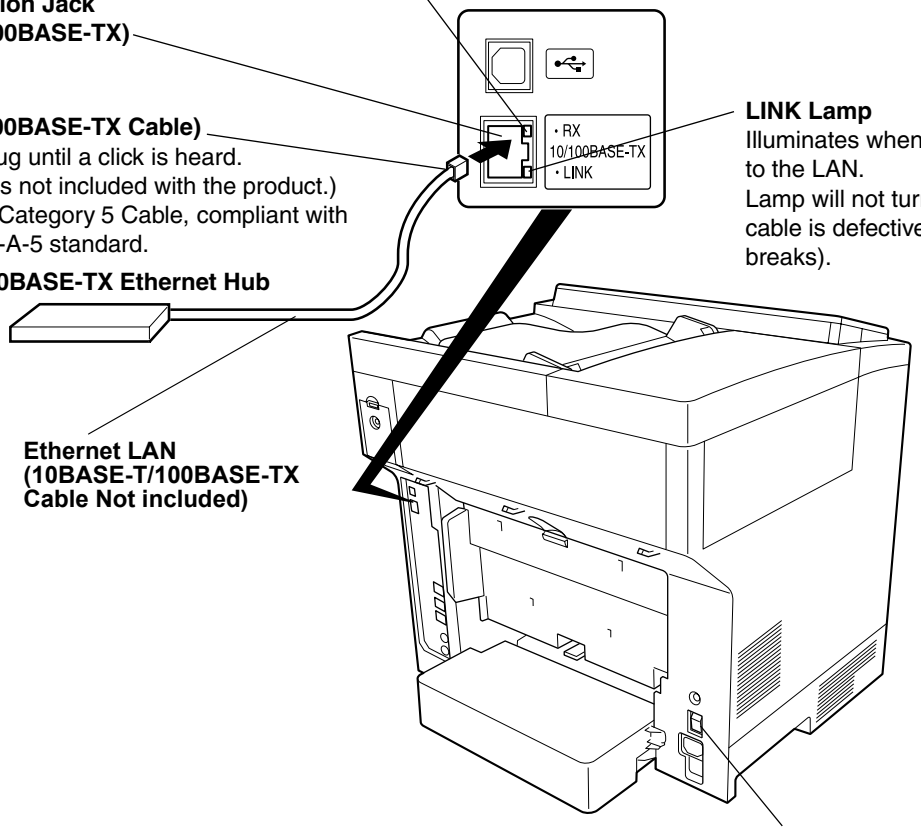
Connecting the Cable

ACTIVITY Lamp
Blinks when there is data traffic on the LAN.

LAN Connection Jack (10BASE-T/100BASE-TX)

LAN Cable (10BASE-T/100BASE-TX Cable)
Insert the plug until a click is heard.
(LAN cable is not included with the product.)
Purchase a Category 5 Cable, compliant with EIA/TIA 568-A-5 standard.

10BASE-T/100BASE-TX Ethernet Hub



LINK Lamp
Illuminates when connected to the LAN.
Lamp will not turn ON if LAN cable is defective (contains breaks).

Ethernet LAN (10BASE-T/100BASE-TX Cable Not included)

Power Switch
After connecting all cables and Power Cord, turn the Power Switch on the Back of the machine to the ON (I) position.

memo

Internet Fax/Email Features

Pre-Installation Information/Features

Before setting up your Panasonic machine on your network, please read this entire section to be familiar with its functions. Your machine is able to perform the following when connected to a 10BASE-T/100BASE-TX Ethernet LAN (local area network):

- Send paper-based information as an Internet Email.
- Send Internet fax message (Direct IFAX XMT).
- Receive and print an Internet Email automatically.
- Forward received G3 fax message or Email automatically to the preprogrammed Email address or regular G3 fax machine (See "Fax Forward" on page 58).
- Route received G3 fax message automatically to the sender-specified Email address or G3 fax machine using ITU-T SUB-Address (See "Inbound Routing" on page 56).
- Route received G3 fax messages automatically to the preprogrammed Email address or G3 fax machine using the sender's fax ID code (See "Inbound Routing" on page 56).
- Relay an Internet Email to a G3 fax machine via regular fax transmission (see "Relayed Transmission" on page 60).
- Scan to Email.

To utilize the above functions, your machine needs to be set up properly on your network. ***Please contact your network administrator for actual network setup.***

Copy the Pre-installation Information form found at the end of this section on page 19, record the MAC Address on the form and ask your network administrator to complete the remaining information on the form. The MAC Address of your machine can be found on the 3rd page of the Fax Parameter List printout.

To print the Fax Parameter List, follow the steps below:

Press FUNCTION ⑥ ④ SET .

Your machine can be set up as either an **SMTP Mail Server** or a **POP3 Client**. Depending on the type of setup, different functions are available as follows.

Function	SMTP Server Setup	POP3 Client Setup
Sending paper-based information as an Internet Email	Yes	Yes
Sending and Receiving the Internet fax message with Direct SMTP protocol.	Yes	No
Receive and print an Internet Email automatically	Yes	Yes
Receive and print an Internet Email manually	No	Yes
Forward received G3 fax message or Email automatically	Yes	Yes
Route received G3 fax message automatically	Yes	Yes
Relay an Internet Email to G3 fax machine	Yes	No

Important Note!
The Default setting of **Fax Parameter No. 177 (XMT FILE TYPE)** for this machine is **"PDF"**, as PDF has become the industry standard for exchanging documents from computer to computer (Scan-to-Email feature).

However, this PDF format cannot be used for Internet Faxing (i.e. from an Internet Fax machine to an Internet Fax machine) as current Internet Fax Specifications do not support PDF file format. Internet Faxing requires TIFF-F file format. If your customer's requirements are mainly Internet Faxing, please change the **Fax Parameter No. 177 (XMT FILE TYPE)** to **"TIFF"** (see page 88).

If your customer uses both Internet Fax and Scan-to-Email and needs to switch file formats on the fly, please explain to them how to use the **Select Mode (F8-6) "XMT FILE TYPE/NAME"** for individual transmissions. After the transmission is completed, the machine returns to its Default setting (see pages 32 to 35).

NOTE

1. To function as an SMTP Mail Server, your machine's email address must include its unique Host Name within your company domain. This unique Host Name must be registered within your network's DNS (Domain Name System) Server.
   Example: Internet_Fax@fax01.panasonic.com
2. Automatically refers to immediate SMTP transfer or immediate POP3 retrieval. Manually refers to manual retrieval of mail when configured as a POP3 Client.
3. If you are using DHCP to acquire the network parameters, contact your Network Administrator to reserve the obtained IP Address printed on the Fax Parameter List.
4. Your machine will receive, print, forward or relay emails in text message format and TIFF-F image file attachment only.

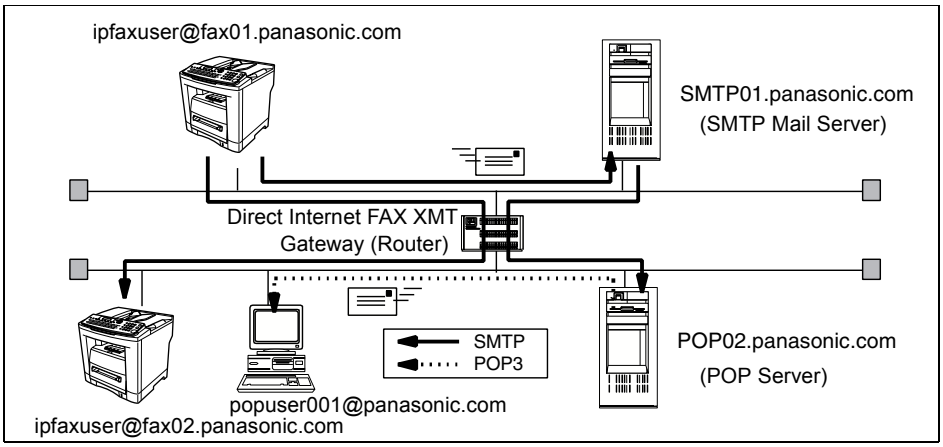
Internet Fax/Email Features

Setup (SMTP Mail Server/POP3 Client)

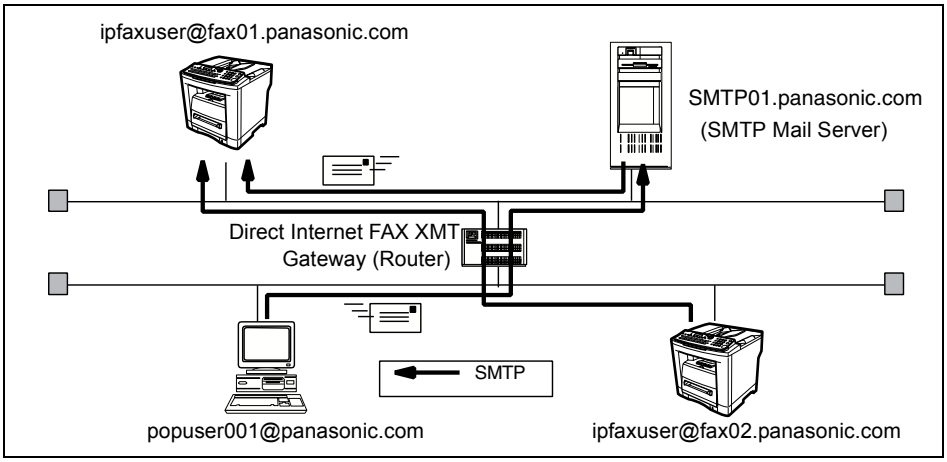
To install your machine as an SMTP Mail Server, the following network parameters need to be programmed on your network and on your machine.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- Host Name/Domain Name
- TCP/IP Address of the DNS Server (if not available, see note 2)
- Email Address of your machine (see note 1)
- Name or IP Address of the Default SMTP Mail Server
- SMTP Authentication Name (when the authentication with the SMTP Server is required)
- SMTP Authentication Password (when the authentication with the SMTP Server is required)

Email (from your machine to a PC) and Direct Internet FAX Transmission



Email (from a PC to your machine) and Direct Internet FAX Reception



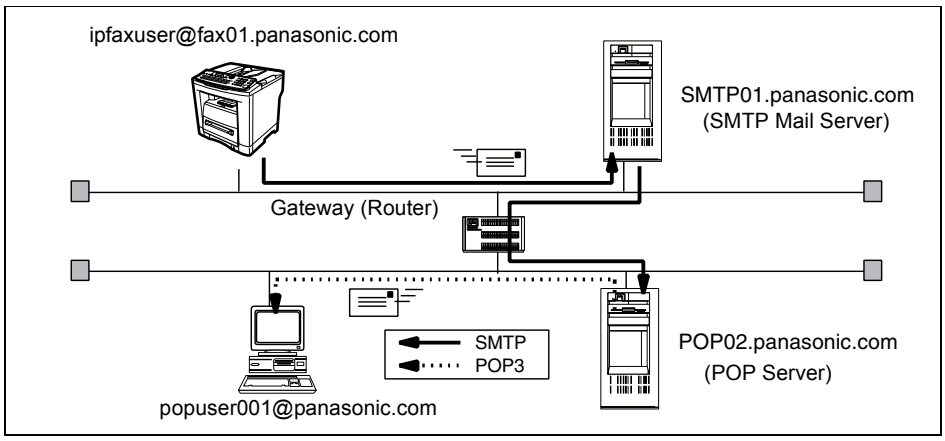
NOTE

1. To function as an SMTP Mail Server, your machine's email address must include its unique Host Name within your company domain. This unique Host Name must be registered within your network's DNS (Domain Name System) Server.
   Example: Internet_Fax@fax01.panasonic.com
2. By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP Server Name. If the DNS Server is not available, change the Fax Parameter No. 161 (DNS SERVER) to "1:Invalid" (see page 88). Then the machine will prompt you to enter the IP Address of the SMTP Server.

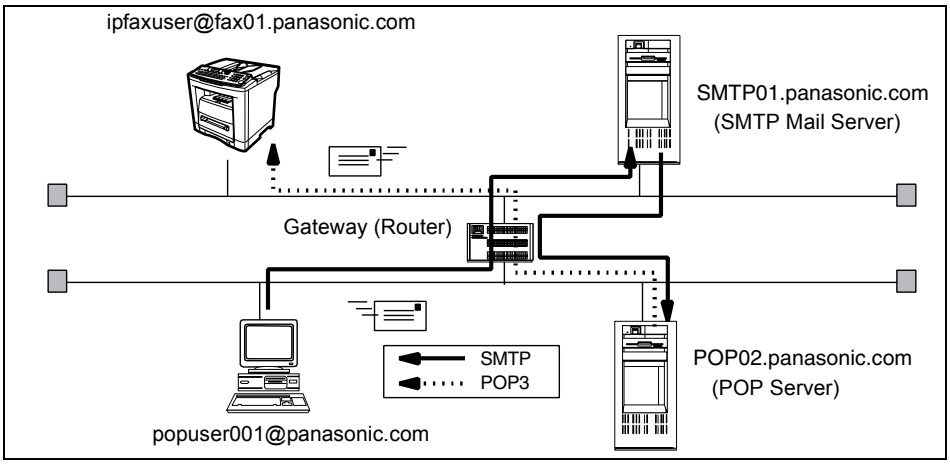
To install your machine as a POP3 Client, the following network parameters need to be programmed on your network.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- TCP/IP Address of the DNS Server (if not available, see note 2)
- Email Address of your machine (see note 1)
- Name or IP Address of the Default SMTP Mail Server
- POP Server Name or IP Address
- POP User Account Name
- POP Password

Email Transmission (from your machine to a PC)



Email Reception (from a PC to your machine)



NOTE

3. The email address format can be the same as your regular email address. If your email address is popuser001@panasonic.com, your machine's email address can be Internet_Fax@panasonic.com.

Internet Fax/Email Features

Setup (SMTP Mail Server/POP3 Client)

For the total system to work properly via LAN, certain information and additional parameters must be set. Please contact your network administrator for the required information and connection to the LAN.

Important: Make a copy of this page and ask the Network Administrator to complete the required information.

User Information	
Company Name	
Address	
Dept.	
City	
Tel. No.	Fax No.

Internet Parameters (See page 28)		
(1) **IP Address:**		
(2) **Subnet Mask:**		
(3) **Default Gateway IP Address:**		
(4) **Primary DNS IP Address:**		
(5) **Secondary DNS IP Address:**		
(6) **Email Address:**		
(7) **SMTP Server Name:**	or	**SMTP Server IP Address:**
(8) **SMTP Auth Name:**		
(9) **SMTP Auth Password:**		
(10) **POP Server Name:**	or	**POP Server IP Address:**
(11) **POP User Name:**		
(12) **POP Password:**		
(13) **LDAP Server Name:**	or	**LDAP Server IP Address:**
(14) **LDAP Login Name:**		
(15) **LDAP Password:**		
(16) **LDAP Search Base:**		
(17) **Host Name/Domain Name:**		
(18) **Default Subject:**		
(19) **Default Domain:**		
(20) **Selectable Domains:**		
1.		6.
2.		7.
3.		8.
4.		9.
5.		10.
(21) **Remote Password:**		
(22) **Relay XMT Password:**		
(23) **Manager's Email Address:**		
(24) **Relay Domains (Domains Authorized for Relay Transmission):**		
1.		6.
2.		7.
3.		8.
4.		9.
5.		10.

NOTE

1. Items in Bold, depict information obtained from your Network Administrator.
2. By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP Server Name. If the DNS Server is not available, change the Fax Parameter No. 161 (DNS SERVER) to "1:Invalid" (see page 88). Then the machine will prompt you to enter the IP Address of the SMTP Server.
3. If required, the MAC Address of your machine can be obtained from the 3rd page of the Fax Parameter List printout (Press FUNCTION ⑥ ④ SET).

Explanation of Contents

	MAC Address	: MAC Address from the 3rd page of the Fax Parameter List printout (press FUNCTION ⑥ ④ SET).
(1)	IP Address	The Internet Protocol (IP) address assigned to your machine.
(2)	Subnet Mask	: The Subnet Mask number.
(3)	Default Gateway IP Address	: The Default Gateway's IP Address.
(4)	Primary DNS Server IP Address	: The IP address of the Primary DNS Server.
(5)	Secondary DNS Server IP Address	: The second IP address of the Primary DNS Server.
(6)	Email Address	: The Email address assigned to your machine. (Up to 60 characters)
(7)	SMTP Server Name or SMTP Server IP Address	: The SMTP Server Name (up to 60 characters). The SMTP Server IP Address.
(8)	SMTP Auth Name	: The SMTP Authorized Name.
(9)	SMTP Auth Password	: The SMTP Authorized Password.
(10)	POP Server Name or POP Server IP Address	: The POP Server Name (up to 60 characters). The POP Server IP Address.
(11)	POP User Name	: POP User Name. (Up to 40 characters)
(12)	POP Password	: POP Password. (Up to 10 characters)
(13)	LDAP Server Name or LDAP Server IP Address	: The LDAP Server Name (up to 60 characters, Ex: ldap.company.com). The LDAP Server IP Address. (Available for some countries only.)
(14)	LDAP Login Name	: LDAP Login Name. (Up to 40 characters, Ex: username) (Available for some countries only.)
(15)	LDAP Password	: LDAP Password. (Up to 10 characters, Ex: password) (Available for some countries only.)
(16)	LDAP Search Base	: LDAP Search Base. (Up to 60 characters, Ex: cn=users, dc=company, dc=com) (Available for some countries only.)
(17)	Host Name/Domain Name	: The name assigned to your machine. (Up to 60/50 characters)
(18)	Default Subject	: The information to be added to the Subject Line for all outgoing emails. (Up to 40 characters)
(19)	Default Domain	: Specify the Domain Name (up to 50 characters) to be added to frequently used or incomplete outgoing email addresses (i.e. @yourcompany.com).
(20)	Selectable Domains	: Enter up to 10 Domain Names that can be selected during manual email addressing. (Up to 30 characters)
(21)	Remote Password	: Enter a security password (up to 10 characters) to allow Remote Programming of the Internet Parameters and Auto Dialer or the retrieval of the Journal via email.
(22)	Relay XMT Password	: Enter a password to provide network security to your Relay Station (for G3 relay purposes). (Up to 10 characters)
(23)	Manager’s Email Address	: Enter your Department Manager’s email address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
(24)	Relay Domain (01 to 10)	: Enter up to 10 Domain Names that are authorized to access your machine for Relayed Transmission Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in your machine.

Internet Fax/Email Features

Internet Communication

■ Transmission/Reception

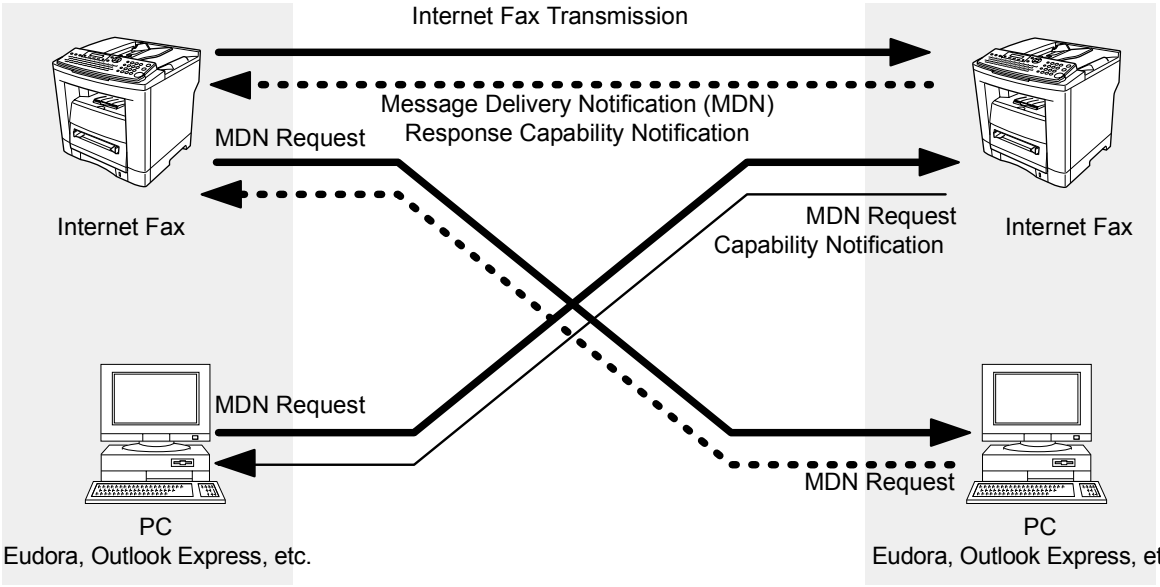
Your machine allows you to transmit documents over the Internet to another Internet Fax or a PC. The document is first scanned and converted into a TIFF-F or PDF* file, and then transmitted to the remote location as an attachment file to an email using MIME encoding.
The email system at the receiving end must support MIME. Otherwise, the attachment file will be detached and lost.
When you send an email message to someone, your machine uses Simple Mail Transfer Protocol (SMTP) to transfer your outgoing mail to your SMTP Mail Server, which in turn uses SMTP to send your mail to the Internet.

Note: PDF file is only available if sending the document(s) to a PC.

■ Internet Fax Delivery Notice (MDN)

If the sender (Internet Fax) desires a processing confirmation, it must request a Message Disposition Notification when sending the message itself to a device supporting this notification function.

Several email applications such as Eudora and Outlook® Express support and are able to respond to the delivery confirmation notification sent from the Internet Fax. As well as send a request for notification to the Internet Fax by email applications that support MDN (Message Disposition Notification) function.
For additional details on MDN, consult a suitable reference such as the Help file and the Operating Instructions of each respective email application.



Legend :

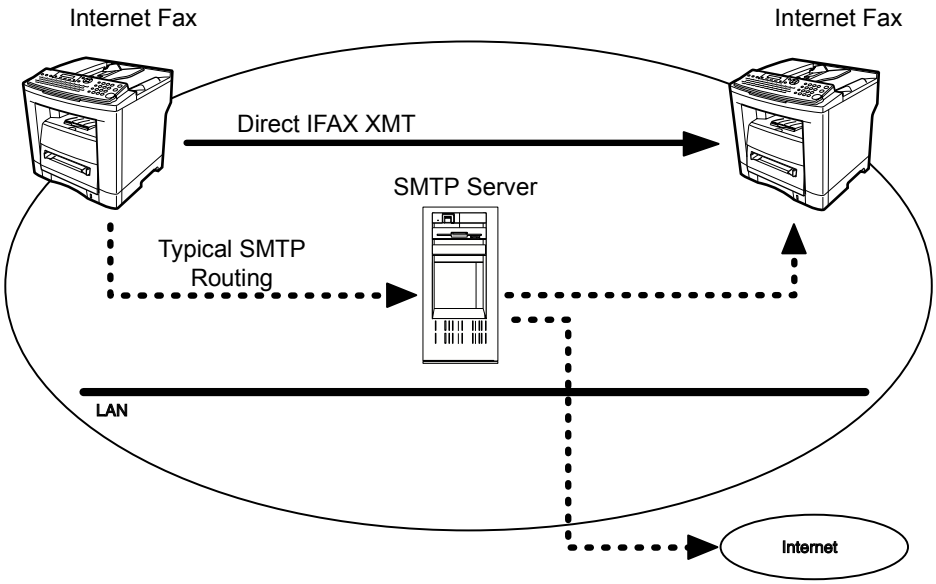
: MDN Request from the Originator

: MDN Response with Capability Notification from the Recipient

: MDN Response from the Recipient

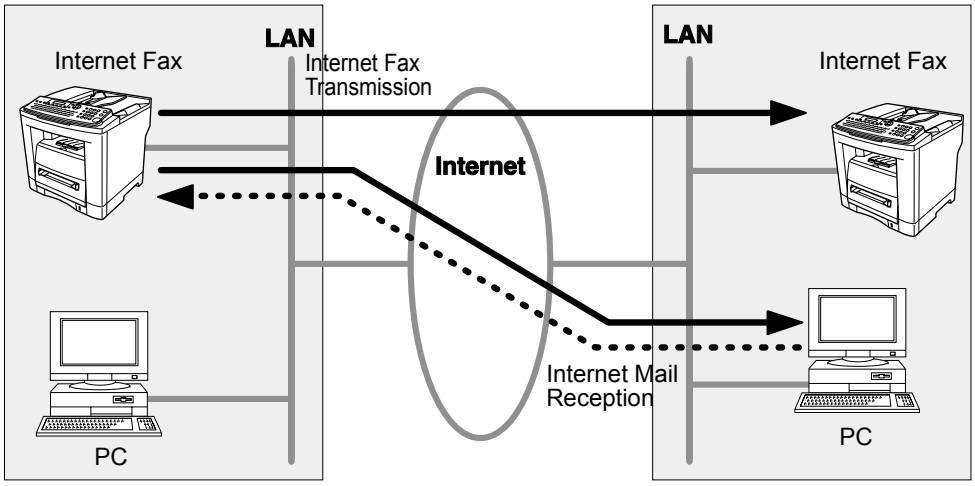
■ Direct IFAX XMT

Direct IFAX XMT uses Simple Mail Transfer Protocol (SMTP) to transfer mail reliably and efficiently. An important feature of SMTP is its capability to transport mail across networks, usually referred to as SMTP mail relay by employing SMTP Server.
Direct IFAX XMT allows you to transmit documents to another Internet Fax directly without using an SMTP Server. For this feature to work reliably, the IP Address should remain unchanged (ask your Network Administrator to reserve the IP Address). The Domain Name of the machines and other record information must be properly registered in the DNS Server.
Furthermore, in common cases only email and web service from the Internet are permitted into the corporate intranet, and corporate network administrators are extremely unwilling to open the firewall for other, incoming services, since each opened path represents additional, potential security threats.
This makes Direct IFAX XMT attractive because it can operate throughout the organization's Intranet.



■ Internet Mail Reception

Your machine allows you to receive and print a PC transmitted email automatically or manually, depending on its setup configuration. However, if the received email includes a file attachment in a format other than TIFF-F, such as PDF, JPEG, Word, Excel, Power Point, your machine prints an error message instead.



Internet Fax/Email Features

Important Information

■ General Description

Your machine uses the same communication protocols as email: the Simple Mail Transfer Protocol (SMTP). The differences from a standard G3 fax communication using the Public Switched Telephone Network (PSTN) are as follows.

■ Differences Between Internet Fax and Regular Fax

A regular Fax machine goes off-hook, dials, and the phone network completes a circuit over phone lines to the receiving fax. You pay for the circuit. The two faxes negotiate a connection, synchronize and exchange image data. The Internet Fax works like an email, the image data is broken down into packets and transmitted through your Local Area Network (LAN) to the Internet or Intranet instead of using a telephone company's network, thus saving you long distance costs.

■ Transmitted Document Confirmation

1. Your machine does not directly connect to the final destination (see note below), but rather connects to a Mail Server via LAN. Therefore, if a document cannot be correctly transmitted due to an error, the erroneous mail may return from the Mail Server to your machine.
2. The erroneous mail may take a long time to return (20 to 30 minutes) depending on the destination location, traffic on the network or LAN system configuration.
3. Depending on the Mail Server, it is also possible that erroneous mail is not returned at all. Therefore, when transmitting important or time sensitive documents, it is recommended that you follow up with a telephone call to confirm reception.
4. Documents cannot be transmitted correctly if the destination Mail Server does not conform to the MIME protocol. Erroneous mail may not be returned depending on the Mail Server.

Note:

1) If Fax Parameter No. 172 (**Direct IFAX XMT**) is set to "**Valid**", you are allowed to configure Auto Dialer so that you can directly send to the destination without medium of SMTP.
2) Your machine supports the Delivery Notice feature (see page 24).

■ Your Machine Cannot Make a Phone Call via LAN

Your machine can only make a phone call using a regular telephone line (PSTN).

■ Dual Port Communication

Your machine's dual port capability allows simultaneous G3 Fax Communication over regular telephone line (PSTN) and LAN Communication.

■ Transmission Resolution

In view of PC transmission, the factory default setting for the resolution is set to FINE mode. If required, this setting can be changed to Normal.

■ Internet Mail Reception

1. Your machine can receive text email from a PC and print ANSI characters. It will print a "▮" symbol if an unrecognized character is received.
2. Received email font and character size are fixed and cannot be changed.
3. Text email will be printed at about 72 lines per page. It is recommended that you use A4/Letter size recording paper.
4. If the received text email includes a file attachment in a format other than TIFF-F, such as PDF, JPEG, Word, Excel, Power Point, your machine prints an error message instead.
5. If the received email includes attached TIFF-F formatted image files, the text and TIFF-F formatted image file will be printed on separate pages.

■ Sending a Document to a PC via LAN

When transmitting a document to an email address, the following instructions are sent as text message in addition to the TIFF-F formatted image file.
An Image data in TIFF-F format has been attached to this email. You can download the TIFF-F Image Viewer from the following URL address:

http://panasonic.co.jp/pcc/en/

Note: If the document(s) being sent in the PDF format, the following message is shown instead.

An image data in PDF format has been attached to this email.

■ Internet Relayed Transmission

To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmission, you must set up your Network security. Enter a Relay Station Name, which is concealed from the final destinations and a Manager's Email Address for notification of all Internet Relayed Transmissions.

Internet Fax/Email Features

Setting the Internet Parameters

■ Basic Parameters

Following Six (6) Basic Parameters must be pre-programmed into the machine.

- TCP/IP Address of your machine
- TCP/IP Subnet Mask of your machine
- TCP/IP Address of the Default Gateway
- TCP/IP Address of the DNS Server
- Email Address of your machine
- Name or IP Address of the Default SMTP Mail Server

NOTE:
- If it is required the setting other than DHCP Server Network settings, Fax Parameter No. "169 DHCP CLIENT" should be set to "INVALID" first, then setup Parameters No. 5 to 7 (see page 88).
- When Parameters No. 5 to 10 and 52 to 55 are set, cycle the power by turning the Power Switch on the Left Side of the machine OFF and ON.

■ User Parameters (Internet Parameters)

	Parameter	Comments
0	Date & Time	Current Date and Time.
1	Logo	Up to 25 characters & digits.
2	Character ID	Up to 16 characters & digits.
3	ID No.	Your Fax Telephone Number. (Up to 20 digits)
4	Time Zone	The Time Zone is required as part of the Email header information when sending Internet faxes.
5*	IP ADDRESS (DHCP)	Displays the address which was reserved by DHCP Server.
6*	SUBNET MASK (DHCP)	Displays the address which was reserved by DHCP Server.
7*	DEF. GATEWAY IP ADDR (DHCP)	Displays the address which was reserved by DHCP Server.
9*	PRI. DNS SERVER IP	Address of DNS Server.
10*	SEC. DNS SERVER IP	Address of 2nd DNS Server.
11	Email Address	The Email Address assigned to your machine for sending and receiving. (Up to 60 characters)
12	MAC ADDRESS	Indicates the MAC address.
13*	SMTP Server Name	The name of the SMTP Mail Server. (Up to 60 characters)
14*	SMTP Server IP	IP Address of the SMTP Mail Server. (Available when DNS setting is "OFF")
15*	SMTP Auth Name	The SMTP Auth Name. (Up to 40 characters) (Available when Fax Parameter No. 170 "**SMTP AUTHENTICATION**" is "**Valid**")
16*	SMTP Auth Password	The SMTP Auth Password. (Up to 10 characters) (Available when Fax Parameter No. 170 "**SMTP AUTHENTICATION**" is "**Valid**")
17*	POP Server Name	The name of the POP Mail Server. (Up to 60 characters)
18*	POP Server IP	IP Address of the POP Mail Server. (Available when DNS setting is "OFF")
19*	POP User Name	User Name assigned to your machine. (Up to 40 characters)
20*	POP Password	Password assigned to your machine. (Up to 10 characters)
21*	LDAP Server Name	The name of the LDAP Server. (Up to 60 characters, Ex: ldap.company.com) (Available for some countries only.)

	Parameter	Comments
22*	LDAP Server IP	IP Address of the LDAP Server. (Available when DNS setting is "OFF" on the Fax Parameter No. 161)(Available for some countries only.)
23*	LDAP Login Name	Login Name assigned to your machine. (Up to 40 characters, Ex: username) (Available for some countries only.)
24*	LDAP Password	Password assigned to your machine. (Up to 10 characters, Ex: password) (Available for some countries only.)
25*	LDAP Search Base	ID for starting the search in the directory on the LDAP Server. (Up to 60 characters, Ex: cn=users, dc=company, dc=com) (Available for some countries only.)
26	HOST NAME	The Name of the DNS Server.
27	Default Subject	The default information to be added to the Subject Line for all outgoing Email (up to 40 characters).
28	Default Domain	When the outgoing email address is incomplete by SMTP standards, the Frequently Sent Domain specified here will be automatically added to the email address. This feature is also useful as a shortcut when manually entering email addresses to a frequently used Domain. (Up to 50 characters)
29-38	Selectable Domains (01) ~ (10)	Enter up to 10 Domain Names that can be selected using the "\/ or /\" key during Manual email addressing. (Up to 30 characters)
39	Remote Password	This is a security password that allows Remote Programming of the Internet Parameters and Auto Dialer or the retrieval of the Journal via an Email. (Up to 10 characters)
40	Relay XMT Password	A password that provides Network security for your Relay Station (used exclusively for G3 relay purposes). (Up to 10 characters)
41	Manager's Email Address	Department Manager's Email Address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
42-51	Relay Domain (01) ~ (10)	Enter up to 10 Domain Names that have been authorized to access your machine for Relayed Transmission Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in your machine.
52	Community Name (1)	Selects whether to change the Community Name(1) SNMP. Enables read only.
53	Community Name (2)	Selects whether to change the Community Name(2) SNMP. Enables read/write.
54	Device Name	Inputs the device name when required. (For Status Monitor/EtherTalk Machine Name)
55	Device Location	Inputs the device name when required. (For Status Monitor)

* Contact your Network Administrator for this information.

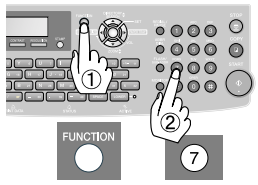
Internet Fax/Email Features

Setting the Internet Parameters

■ Network Settings

When the Fax Parameter No. "169 DHCP CLIENT" is set to "INVALID", the Key Operator must administer the following Network settings manually.
Enter these required Network setting: "IP ADDRESS", "SUBNET MSK" and "DEF. GATEWAY IP ADDR", in the same manner as shown in the following example.

1

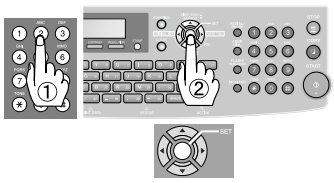


4

IP ADDRESS
▮

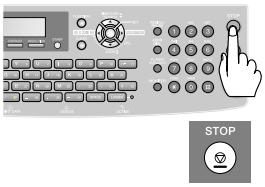
→

IP ADDRESS
192.168.1.100



Input the IP Address
Ex.: 192.168.1.100
Use the "∗" key to enter a period.
1 → 9 → 2 → ∗
→ 1 → 6 → 8 → ∗
→ 1 → ∗ → 1 → 0 → 0

7

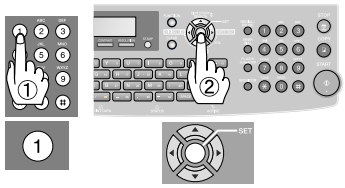


NOTE

1. To print a Internet Parameter List, press FUNCTION ⑥ ④ SET.

2

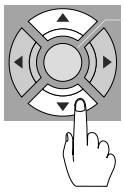
```
SET MODE        (1-8)
ENTER NO. OR ∨ ∧
```



3

```
DATE & TIME
  09-01-2004 12:00
```

Press ▲ or ▼ to scroll the display to the desired User (Internet) Parameter, select "IP ADDRESS"



4

5

```
SUBNET MASK
▮
```

Input Subnet Mask same procedure as Step 4.

6

```
DEF. GATEWAY IP ADDR
▮
```

Input Gateway Address same procedure as Step 4.

7

8

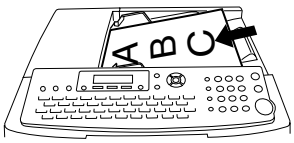
Turn the Power Switch on the Rear Side of the machine OFF and ON (see page 16).

Internet Fax/Email Features

Sending Documents

■ Manual Email Addressing

1 → 2



Selecting the desired Transmission setting. (See page 9)

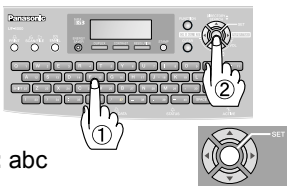
Your machine can temporarily change the File Type and File Name by using FUNCTION ⑧ ⑥ (XMT File Type and Name).
You can select TIFF or PDF File Type and then change the File Name. When sending to:
Internet Fax : select "TIFF".
PC : select "TIFF" or "PDF".

4a Full Email address

Ex: abc@panasonic.com

Enter the full Email address using the QWERTY Keyboard (up to 60 characters) and press SET.
To correct a mistake, press CLEAR to erase the character then reenter the correct character.
Ex: abc@panasonic.com

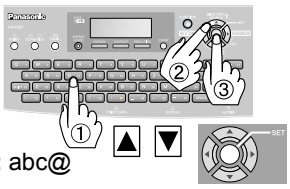
4b Using Default Domain



Ex: abc

Enter the User portion of the email address and press SET. The machine will complete the email address with the Default Domain preprogrammed in the User (Internet) Parameters. (i.e. will add "@panasonic.com" to the email address)
Ex: abc

4c Using the Selectable Domain List



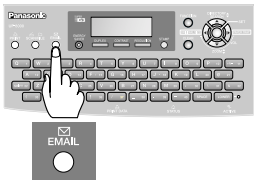
Ex: abc@
① ② ③

If you want to send to a different Domain, enter the first part of an email address (ex: abc@), press ▲ or ▼ to display domain names in the Selectable Domains List. Choose the desired domain from Domain List and press SET.
Ex: abc@panasonic.com

NOTE

1. If your machine sounds an alarm (pi-pi-pi) when pressing the KEYBOARD Button or any Auto Dialer Entries that contain an email address, one or more of the required 6 Basic Internet Parameters may have been omitted in the User (Internet) Parameter(s). (See page 28)
2. The machine will accept a combination of Email Addresses and PSTN Dialing Numbers.

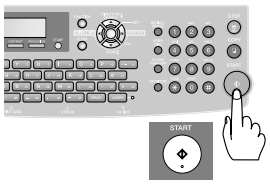
3



4a Full Email Address
or
4b Using Default Domain (See note 4)
or
4c Using the Selectable Domain (See page 29)

5

You can send the same document(s) to multiple stations. Multiple stations can be selected by any combination of the Steps 3 and 4a, 4b or 4c, and then press START.



The document(s) is stored into memory with a file number. Then starts sending the document(s).

NOTE

3. If the transmission cannot be completed for any reason, the email may return undelivered; otherwise no reply will be printed.
4. For the machine to perform the email address completion the Fax Parameter No. 160 (**Default Domain**) must be set to "**Valid**" and the Default Domain must be preprogrammed in the User (Internet) Parameters. (See page 29)
5. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.
6. Direct Transmission is not available for LAN communication.

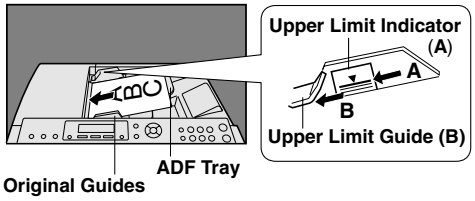
Internet Fax/Email Features

Sending Documents

■ Quick Name Search/One-Touch/Abbreviated and Directory Search Email Addressing

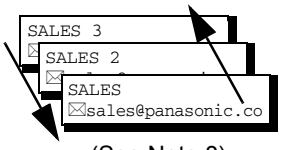
When sending via LAN, the Directory Search function allows you to enter a full email address by searching for the station name or email address entered in the Auto Dialer and the LDAP (Lightweight Directory Access Protocol) Server.

1



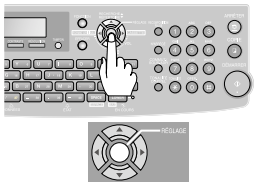
3a **Quick Name Search Email Addressing (see Note 3)**
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

Enter the first letter of the name you wish to search until it is shown on the LCD display.
(▲/▼).
Ex: "S"



(See Note 8)

+



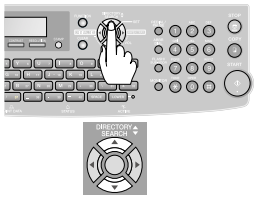
3b **One-Touch/ABBR. Email Addressing (see Note 3)**
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

or

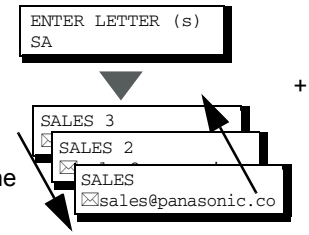
When the Email Address(es) are registered in the One-Touch/Abbreviated Addressing.

+ ABBR No.
(3-digit)

3c **Directory Search Email Addressing**

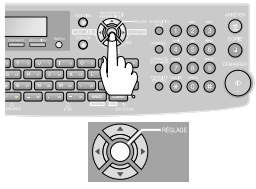


Enter the first letter(s) of the name you wish to search
(▲/▼).
Ex: "SA"



(See Note 8)

+



NOTE

1. If your machine sounds an alarm (pi-pi-pi) when pressing the KEYBOARD Button or any Address Book Entries that contain an email address, one or more of the required 6 Basic Internet Parameters may have been omitted in the User (Internet) Parameter(s). (See page 28)
2. The machine will accept any combination of Email addresses and PSTN Dialing Numbers.
3. Auto dialer (Address Book or One-Touch/ABBR.) is only available when stations are registered (see page 72).

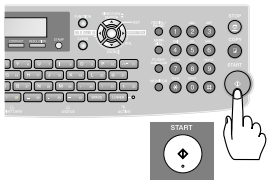
2 Selecting the desired Transmission setting. (See page 9)

Your machine can temporarily change the File Type and File Name by using FUNCTION ⑧ ⑥ (XMT File Type and Name). You can select TIFF or PDF File Type and then change the File Name. When sending to:
Internet Fax : select "TIFF".
PC : select "TIFF" or "PDF".

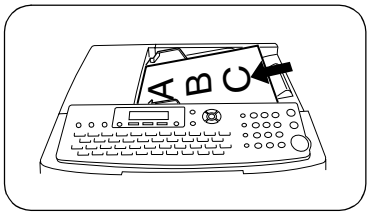
3a Quick Name Search Email Addressing
or
(3b One-Touch/ABBR. Email Addressing)
and/or
3c Directory Search Email Addressing

4

You can send the same document(s) to multiple stations. Multiple stations can be selected by any combination of the Steps 3a, 3b or 3c, and then press START.

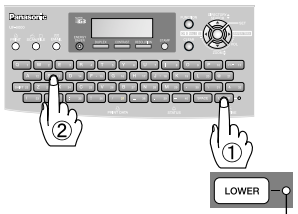


The document(s) is stored into memory with a file number. Then starts sending the document(s).



To Use One-Touch

If two stations are registered onto same One-Touch Key.



Lower Indicator

Lower Indicator turns OFF.

```
<13↑> SALES 01
✉sales@panasonic.co
```

Lower Indicator is lit.

```
<13↓> SALES 02
✉pana@panasonic.com
```

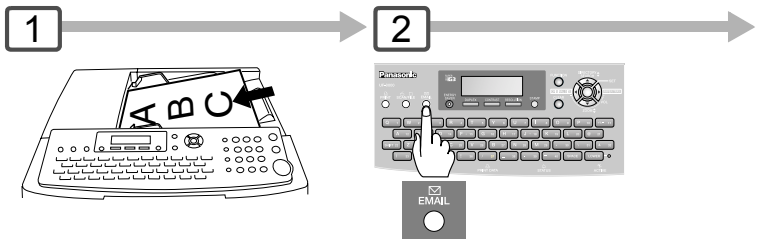
NOTE

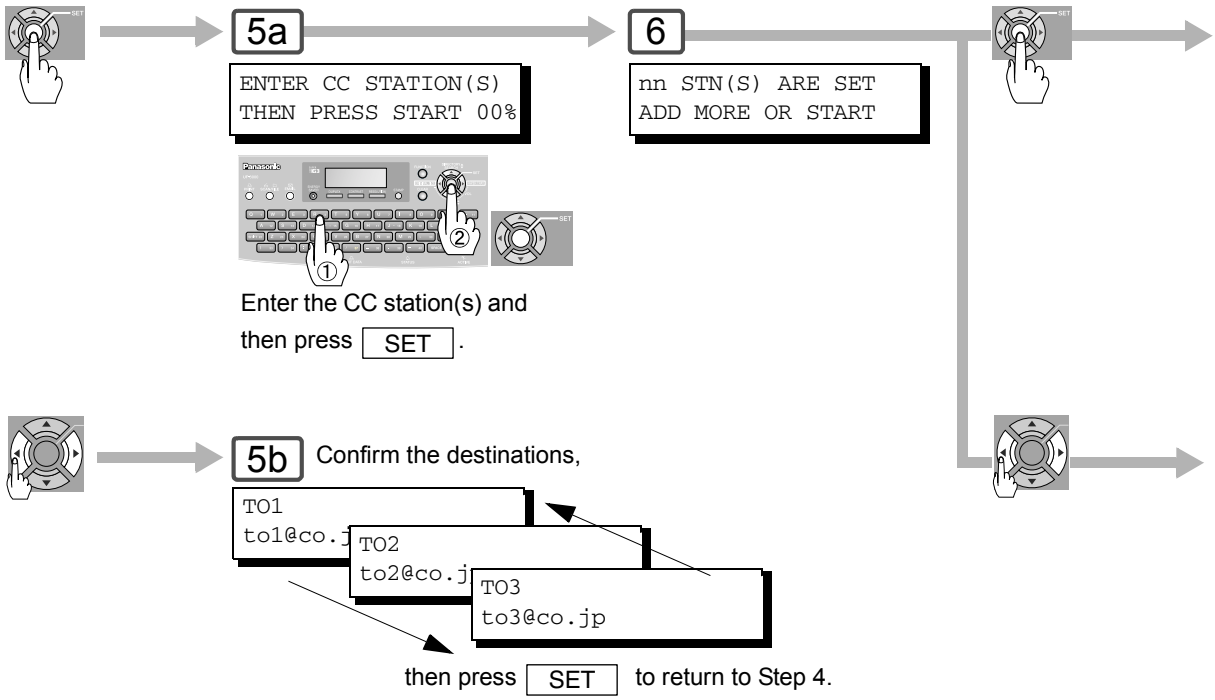
4. If the transmission cannot be completed for any reason, the email may return undelivered; otherwise no reply will be printed.
5. For the machine to perform the email address completion the Fax Parameter No. 160 (**Default Domain**) must be set to "**Valid**" and the Default Domain must be preprogrammed in the User (Internet) Parameters. (See page 87)
6. The "QUICK MEMORY TRANSMISSION" feature is disabled if multiple stations are set.
7. Direct Transmission is not available for LAN communication.
8. You can search for another name starting with the same character by scrolling with the Cursor Keys (▲/▼).

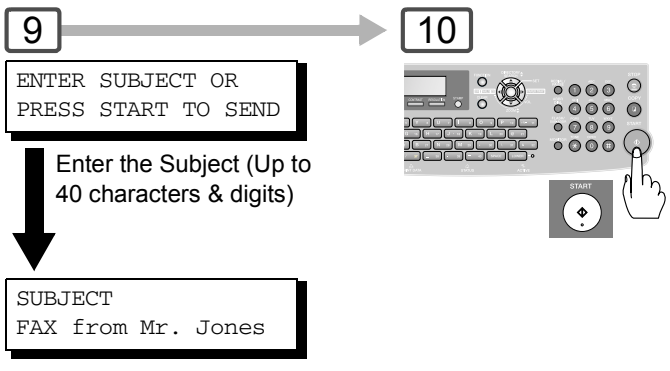
■ Entering the Email Header

Email Address
You can enter the Email Address for CC (Carbon Copy) and BCC (Blind Carbon Copy). If you would like to enter CC and/or BCC, change Fax Parameter No. 168 (**CC/BCC STATION**) to "**Valid**". (See page 88)

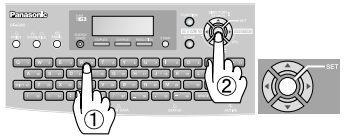
Subject
Your machine will automatically add the Default Subject information that was entered during the User Parameter setup, to the Subject Line of all outgoing emails.
If you would like the machine to prompt you for the Subject before each email transmission, change the Fax Parameter No. 159 (**SUBJECT LINE ENTRY**) to "**Valid**". (See page 87)







3



4

```
nn STN(S) ARE SET
ADD MORE OR START
```

5a To enter CC station

5b Confirm the destinations

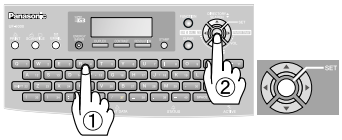
Enter Email station(s) and then press SET.

- Quick Name Search Email Addressing
- One-Touch/ABBR. Email Addressing
- Manual Email Addressing
- Directory Search Email Addressing

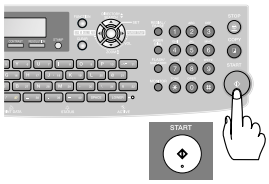
(For details, see pages 32 to 35)

7a

```
ENTER BCC STATION(S)
THEN PRESS START
```



8



9

Enter the BCC station(s) and then press SET.

7b Confirm the destinations,

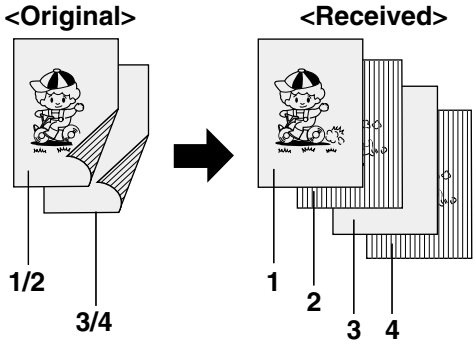
```
< 113>CC1
cc1@co.j
< 114>CC2
cc2@co.j
< 115>CC3
cc3@co.jp
```

then press SET to return to Step 6

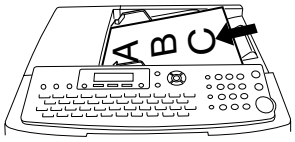
NOTE: To confirm the destinations of BCC, perform the same procedure as 7b after Step 7a.

■ Duplex Sending

2-Sided originals can be sent as page orders.



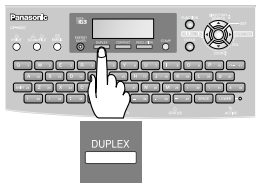
1 → 2 → 3



Selecting the desired Transmission setting. (See page 9)

Your machine can temporarily change the File Type and File Name by using FUNCTION ⑧ ⑥ (XMT File Type and Name).

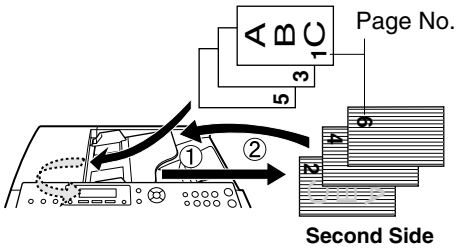
You can select TIFF or PDF File Type and then change the File Name. When sending to:
Internet Fax : select "TIFF".
PC : select "TIFF" or "PDF".



7

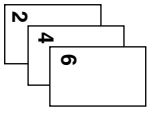
```
INSERT SECOND SIDE
ORIENTATION AS IS
```

Place the second side of the original(s) of Step 1 in the order and direction of ejection.

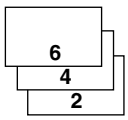


Even Number pages.

Long Edge Originals

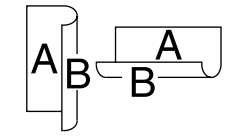


Short Edge Originals

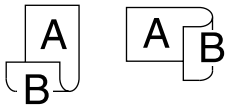


4

Press ◀ or ▶ to select the binding position.
(Select within 10 sec.)



Long Edge

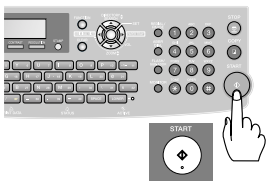


Short Edge

5

Enter station(s)
(See pages 32-35)

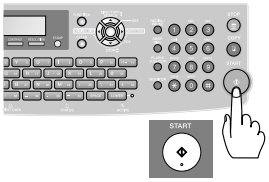
6



7

8

```
PRESS START TO
CONTINUE
```



NOTE: If the page count for the Back side does not match the page count for the Front side (i.e. when 2-Sided original(s) are double-fed), "SIDE 1&2 PAGE COUNTS DO NOT MATCH!" and "RESCAN ORIGINALS START WITH 1ST SIDE" will be displayed and all scanned data will be cancelled. If this occurs, restart from Step 1 and Steps 5 to 8.

Real Time and Quick Memory Transmission features are not available.

Internet Fax/Email Features

Sending Documents

■ Returned Email

When using the Internet communication mode, a failure report will be printed automatically for each transaction if the email is returned undelivered by the mail server. The printout will consist of the undelivered message contents supplied by the mail server and a portion of the first page's image for that particular transaction.

Failure Report Sample (User unknown)

```
Received: from localhost (localhost) by ifeifl.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with
internal id OAA24381; THU, 15 AUG 2003 14:52:57 +0900
Date: THU, dd MMM YYYY 14:52:57 +0900
From: Mail Delivery Subsystem <MAILER-DAEMON@ifeifl.rdmg.mgcs.mei.co.jp>
Subject: Returned mail: User unknown
Message-Id: <200011120552.OAA243B1@ifeifl.rdmg.mgcs.mei.co.jp>
To: <fax@nwpc31.rdmg.mgcs.mei.co.jp>

The original message was received at THU, dd MMM YYYY 14:52:54 +0900
from nwpc31.rdmg.mgcs.mei.co.jp [172.21.22.51]

   ----- The following addresses had delivery problems -----
<error@nwr39.rdmg.mgcs.mei.co.jp>  (unrecoverable error)

   ----- Transcript of session follows -----
.... while talking to nwr39.rdmg.mgcs.mei.co.jp.:
>>> RCPT To:<error@nwr39.rdmg.mgcs.mei.co.jp>
<<< 550 <error@nwr39.rdmg.mgcs.mei.co.jp>... User unknown
550 <error@nwr39.rdmg.mgcs.mei.co.jp>... User unknown

   ----- Original message follows -----
Return-Path: fax@nwpc31.rdmg.mgcs.mei.co.jp
Received: from nwpc31.rdmg.mgcs.mei.co.jp (Internet FAX) (nwpc31.rdmg.mgcs.mei.co.jp [172.21
.22.51]) by ifeifl.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with SMTP id OAA24380 for <error@nwr39
.rdmg.mgcs.mei.co.jp>; THU, dd MMM YYYY 14:52:54 +0900
Message-ID: <200011120552.OAA24380@ifeifl.rdmg.mgcs.mei.co.jp>
Mime-Version: 1.0
Content-Type: image/tiff
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="image.tif"
Content-Description: image.tif
X-Mailer: Internet FAX, MGCS
Date: THU, dd MMM YYYY 14:49:00 +0900
From: ipFAX <fax@nwpc31.rdmg.mgcs.mei.co.jp>
Subject: IMAGE from Internet FAX
To: error@nwr39.rdmg.mgcs.mei.cp.jp

                              5
dd MMM YYYY 14:49          Internet FAX                                P.01/01
```

THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH25 8ER

TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC 18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause

memo

Internet Fax/Email Features

Receiving Documents

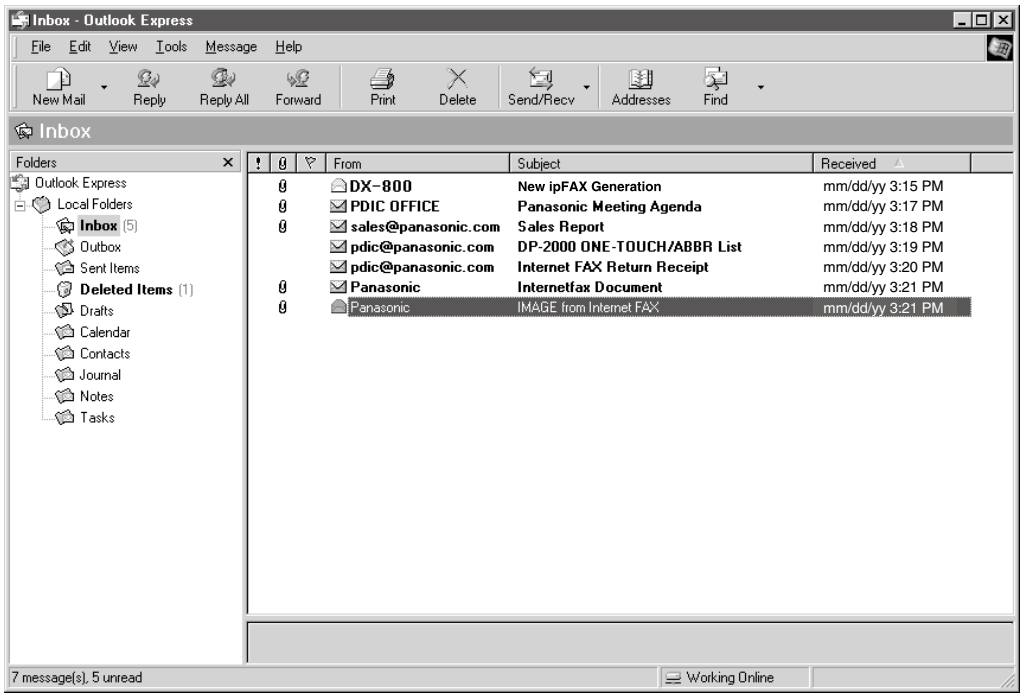
■ General Description

Your machine offers you a choice to receive Fax documents unattended (by default) or manually over regular telephone lines.

Your machine also offers the same choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP Mail Server. However, when your machine is configured to receive email using the SMTP Protocol, the email can only be received and printed unattended.

■ Internet Fax Received on a PC

Figure 1: Outlook® Express Inbox Sample



- The "Subject" column in the above example shows samples of email messages received on a PC from your machine and Internet FAX.
- For your reference, the above example is from Outlook® Express Inbox running under Microsoft® Windows®. If you are using a different email application software, please refer to your application's User Manual.

Figure 2: Internet Fax Received on a PC

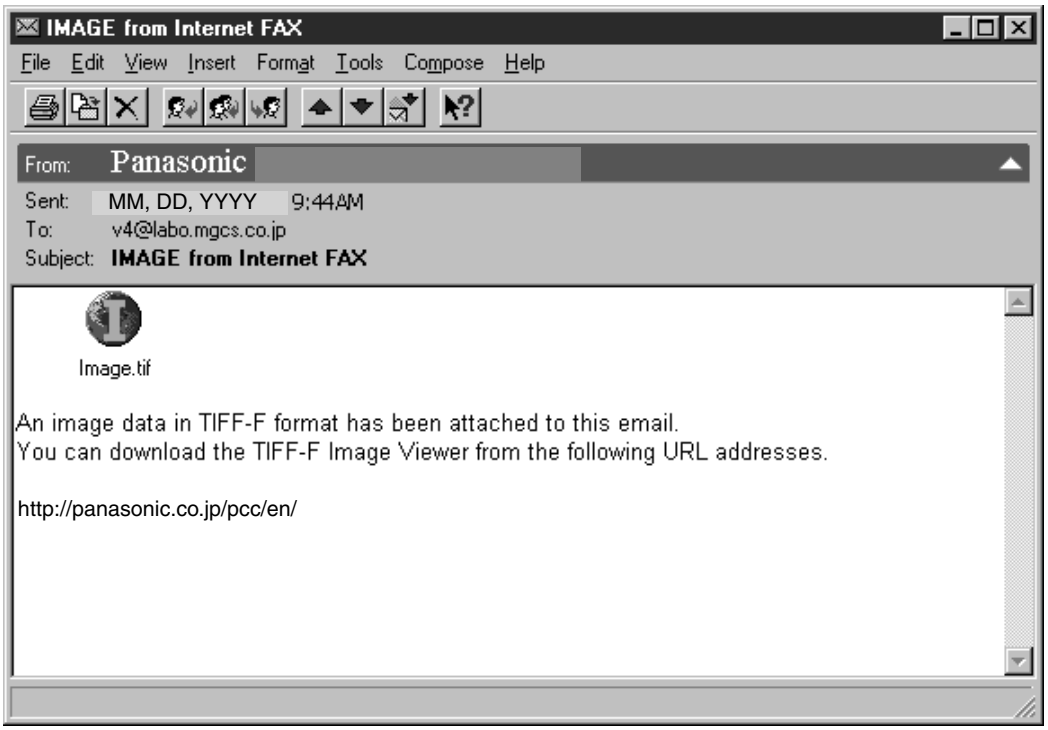


IMAGE from Internet FAX
File Edit View Insert Format Tools Compose Help
From: Panasonic
Sent: MM, DD, YYYY 9:44AM
To: v4@labo.mgcs.co.jp
Subject: IMAGE from Internet FAX
Image.tif
An image data in TIFF-F format has been attached to this email.
You can download the TIFF-F Image Viewer from the following URL addresses.
http://panasonic.co.jp/pcc/en/

- For your reference, the above example is from Windows Messaging running under Microsoft® Windows®.
- To run the Viewer, please refer to your application's User Manual. The attached file is composed of TIFF-F (Tagged Image File Format with Modified Hoffman coded image). TIFF Viewers come in many flavors, a majority of TIFF Viewers will open and view this file, however, a handful of Viewers may not support this format.
- You can download the TIFF-F Image Viewer into your PC from the following URL address:

  http://panasonic.co.jp/pcc/en/
- License agreement of Panasonic's TIFF-F Image Viewer application.

  You must carefully read the license agreement before installing the TIFF-F Image Viewer application on your PC. If you do not agree to all the terms of this agreement, do not use the software and destroy all of the copies thereof.

  You must assume full responsibility for selection of the software and its operation/non-operation and results obtained therefrom.
- If you receive an email (Internet Fax) with a PDF file formatted attachment, the following text message is shown in the Email body.

  An image data in PDF format has been attached to this email.

Internet Fax/Email Features

Receiving Documents

■ Receiving Email from a POP Server

Your machine offers a choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP Mail Server.

■ Setting the POP Parameters

Set the parameters pertinent to the POP Server (Fax Parameters No. 146 to 149). (See page 87)

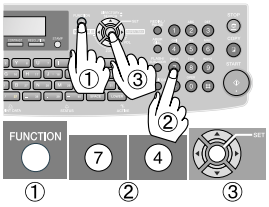
No. 146 (POP Timer):
Enter the interval to check and retrieve email from the POP Server (0 to 60 minutes).
"0 minute": Not checked for email.

No. 147 (Auto POP Receive):
The machine will retrieve email from the POP Server and print the email unattended.
"1:Invalid": Not retrieved automatically.

No. 148 (Delete POP Receive Email):
Select whether the email is deleted from the POP Server after it is retrieved by your machine.

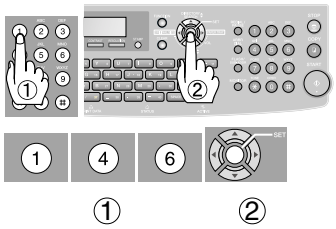
No. 149 (Delete POP Error Email):
Select whether to delete the email from the POP Server when the file attachment format is not supported.

1



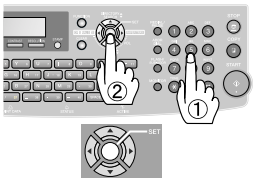
2

```
FAX PARAMETER(1-182)
NO.=■
```



5

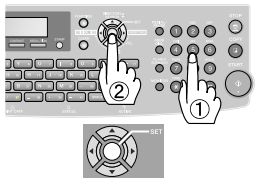
```
148 DEL POP RCV MAIL
 2:VALID
```



Select the desired Setting and press SET.

6

```
149 DEL POP ERR MAIL
 1:INVALID
```



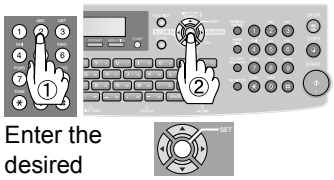
Select the desired Setting and press SET.

NOTE

1. If you program a user name and password in the Program key, you can receive email from the POP Server using a user name other than the name set in the user parameter.
2. If the machine is in the Shutdown mode, it cannot wakeup when receiving Email.

3

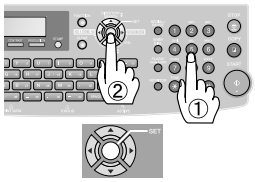
```
146 POP TIMER
 3 min. (0-60)
```



Enter the desired download interval (0-60)

4

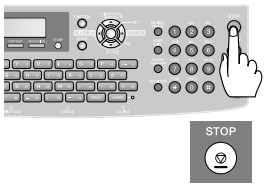
```
147 AUTO POP RCV
 2:VALID
```



Select the desired Setting and press SET.

5

7



To return to standby.

Internet Fax/Email Features

Receiving Documents

■ Unattended Email Reception from the POP Server

When the Fax Parameter No. 146 (**POP TIMER**) is set to a value between 1 and 60 minutes, and Fax Parameter No. 147 (**AUTO POP RCV**) is set to "**Valid**", the machine will query the POP Server at the specified interval for new email.
(See page 87)

Any email on the POP Server is retrieved and printed unattended.

1

```
1 NEW MAIL(S)
```

When the Fax Parameter No. 146 (**POP TIMER**) is set to "**0**", the machine will not query the POP Server and the email is not retrieved automatically. With this setting, email must be retrieved manually from the POP Server.

■ Manual Email Retrieval from the POP Server

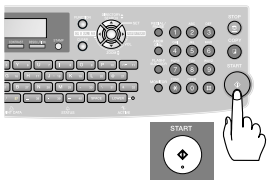
Use the following procedure for manual email retrieval from the POP Server.

1

Confirm that there is no document(s) on the ADF.

2

```
MMM-dd-yyyy 17:15
                  00%
```



2

```
MMM-dd-yyyy 17:15
   < NEW MAIL(S)>
```

When the Fax Parameter No. 147 (**AUTO POP RCV**) is set to "**Invalid**", the machine will query the POP Server for new email at the interval specified by Fax Parameter No. 146. If new email has arrived at POP Server, the machine will not retrieve it, but displays the number of emails on the POP Server and sounds a beep (Piii-Piii-Piii-Piii)

3a

```
  1 NEW MAIL(S)
```

If POP Server received new email, the machine will display the number of emails on the server, then receive and print the email.

3b

```
NO NEW MAIL
```

If the POP Server has not received any new email, the following message is displayed.

Internet Fax/Email Features

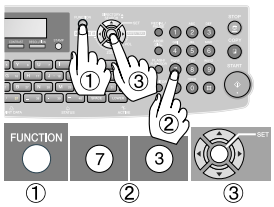
Program Keys

■ Setting the POP Access Key

This function allows others to share your machine to retrieve their emails from the POP Server by pre-programming their POP User Names and POP Passwords into the Program Keys.

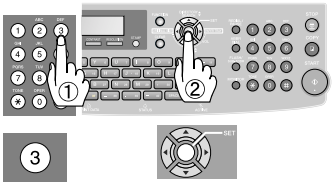
Their emails can be retrieved by simply pressing their associated Program Key.
(See Note 1)
When Fax Parameter No. 119 is set to "2: Quick Name Search, see page 86"

1



2

```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```



3

6

```
DELETE EMAIL   NO.=2
1:YES 2:NO
```

① or ②

① : deletes the messages from the server

② : leaves the messages on the server

7

```
PROGRAM        NAME
ENTER NAME
```

To return to standby.

■ Using POP Access Key

Use the following procedure to retrieve your email from the POP Server using the Program Key.

1

Select POP Access Key by either one of the following methods.
- Quick Name Search Email Addressing
- Program Key
- Directory Search Email Addressing

(For details, see pages 34 and 35)

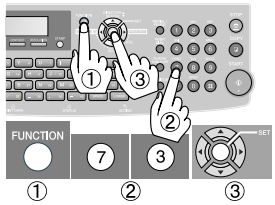
2

```
POP RCV USER NAME
kate
```

If the POP User Name is not entered in the program key, enter the POP User Name.
(Up to 40 characters and press START)

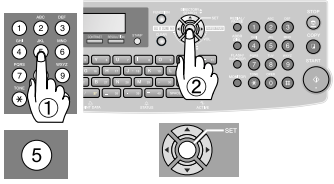
■ Erase the POP Access Key

1



2

```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```



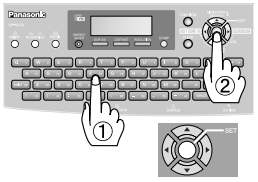
5

NOTE

1. If security is a concern and to prevent unauthorized personnel from retrieving your email from the POP Server when programming the Program Key, leave the POP Password field "Blank". By leaving it "Blank", the machine will prompt you to enter the POP Password when the Program Key is pressed to retrieve email.

3

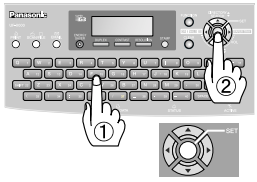
PROGRAM NAME
ENTER NAME



Ex: "PANA" (Up to 15 characters)

4

POP USER NAME
▮

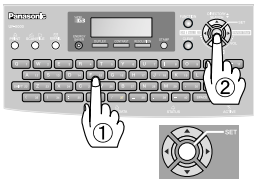


Ex: "kate" (Up to 40 characters)

5

POP PASSWORD
▮

6



Ex: "PANA" (Up to 10 characters)

3

If the POP Password is not entered in the program key, enter the POP Password. (Up to 10 characters and press START)

4

If the POP Server has not received any new email, the following message is displayed.

NO NEW MAIL

or

If the POP Server is received new email(s), the machine will display the number of emails on the server, then retrieves and prints the email(s).

nn NEW MAIL(S)

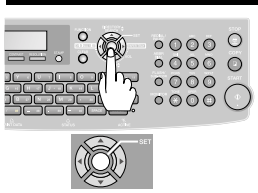
3

DELETE PROGRAM
ENTER LETTER(S)

Ex: "POP"

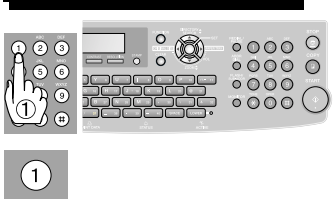
4

PROGRAM NAME
POP▮



5

PROGRAM
DELETE? 1:YES 2:NO



1

Advanced Internet Fax Features

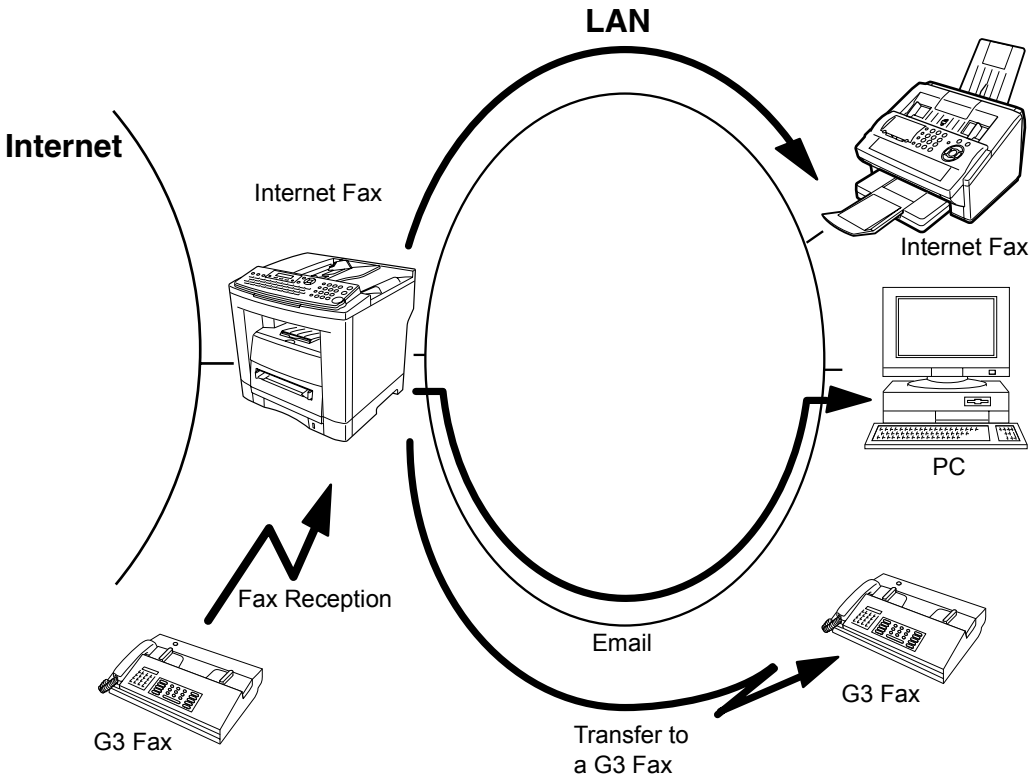
Internet Communication Features

■ Inbound Routing

Using the Inbound Routing feature, your machine can route documents received from a G3 fax machine to email address(es) or to Internet Fax machine(s) connected to a LAN as an email, as well as to other G3 fax machine(s) over the telephone line.

When an incoming Internet Fax, Email or a regular Fax document is received, your machine checks for the following:

1. First, your machine checks whether a sub-address is included. If it is, it will look for a sub-address match within its auto dialer and will route the documents to the corresponding stations email address(es) and/or telephone number(s).
2. If no sub-address is specified, then your machine tries to match the originating fax machine's Numeric ID (TSI) with the TSI routing within its auto dialer and will route the documents to the corresponding stations email address(es) and/or telephone number(s).



NOTE

1. If the originating fax machine does not support the above sub-address function, sub-address destination(s) cannot be selected.
2. Your machine will allow you to register the same sub-address number for an email address and a telephone number.

■ Dynamic Host Configuration Protocol (DHCP)

DHCP is a protocol for dynamically assigning IP addresses to Internet Fax and client PCs. With DHCP, an Internet Fax can automatically acquire a unique IP address each time, and it connects to a network making IP address management an easier task for network administrators. When an Internet Fax logs on to the network, the DHCP Server selects an IP address from a master list and assigns it to the Internet Fax.

If you wish to enable the following options on your machine, a static (reserved by a Network Administrator) IP address and configurations must be used instead of the DHCP operation.

Receiving SMTP
G3 Gateway
Direct SMTP (Direct IFAX XMT)

■ SMTP Authentication

The Internet's emergence as a worldwide digital infrastructure has dramatically encouraged a market for communications-oriented appliances. However, the no object security technique has gained widespread and dominant use over the Internet due to several reasons.

1. Internet mail is a multi-hop store and forward architecture, and use of channel-based security is generally difficult.
2. No single technique is recommended by the Internet Fax standard.

To improve and make the system robust, Authentication through encryption based techniques are provided as a typical solution. The techniques may be associated with the transmission channel, such as by using Simple Authentication and Security Layer (SASL).

Some Internet Service Providers (ISP) take advantage of Internet mail service by providing an Authentication feature.

Your machine provides the following three Authentication options.

1. SMTP Service Extension for Authentication (SMTP AUTH) -- while sending
2. Lightweight challenge-response mechanism POP (APOP) -- while receiving
3. POP before SMTP -- performs POP procedure prior to every SMTP transaction

■ Lightweight Directory Access Protocol (LDAP)

For convenience, your machine has a LDAP client feature to enable the search for recipient's email addresses from the LDAP Server, which assists the entering of long email addresses.

The Lightweight Directory Access Protocol (LDAP) is a protocol for accessing online directory services. A LDAP client connects to a LDAP Server and asks a question. The server responds with an answer.

Your machine indicates the search result from the LDAP Server on the LCD display. This enables you to easily choose the recipients you wish to send to and saves your time from entering long and intricate email addresses.

Advanced Internet Fax Features

Internet Communication Features

■ Relayed Transmission

Your machine allows you to transmit an email received from an Internet Fax or PC connected to the LAN to multiple fax machines via a telephone line. You can attach files with the TIFF-F format to this email.

Using the Sub-address specified by the originating fax machine, your machine can route the received documents to the remote machine via an email, which can relay these documents to final destinations where the final recipient is in the regular G3 fax machine.

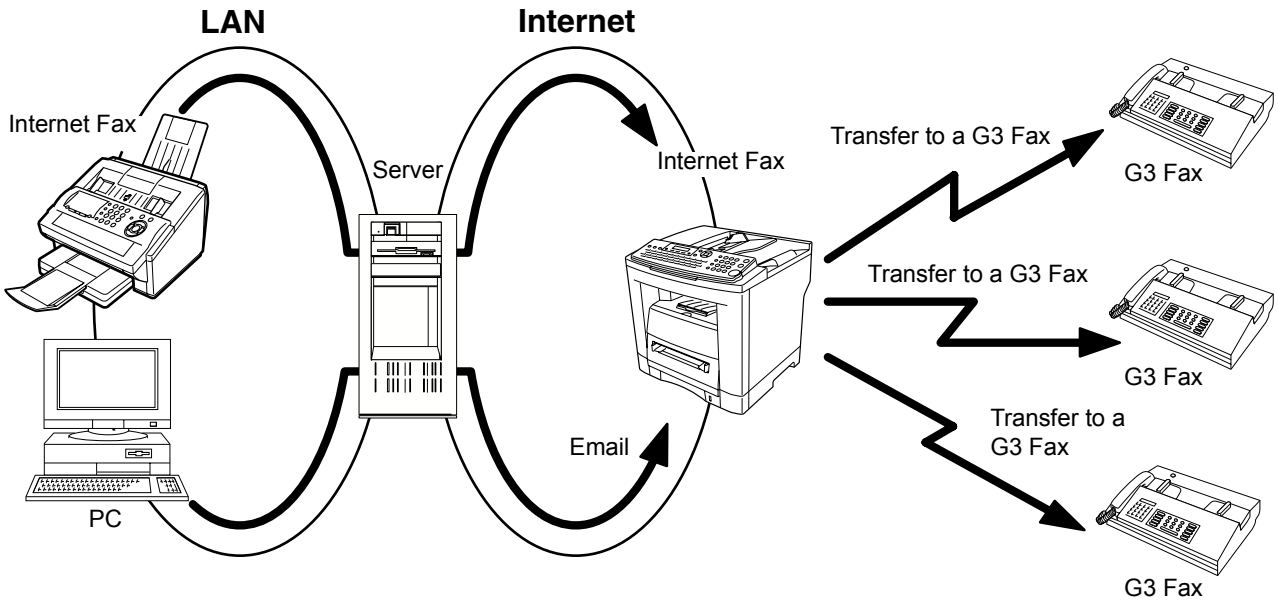
Your PC allows you to convert a data file from various application programs such as spreadsheet into a TIFF-F format file and then transmits this attached file to an email.

To convert applications into a TIFF-F formatted file, however, requires you to first download the software (printer driver) from the web site listed below. The second part requires you to install the software on your PC.

(See the web site for details about the printer driver installation and operation.)

You can download the Panasonic's printer driver from the following URL address:

http://panasonic.co.jp/pcc/en/



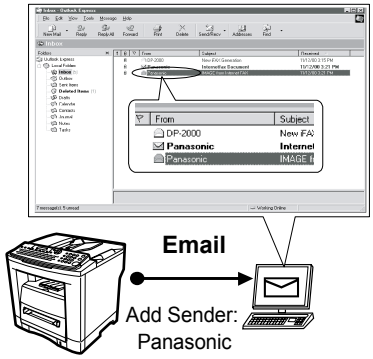
memo

Advanced Internet Fax Features

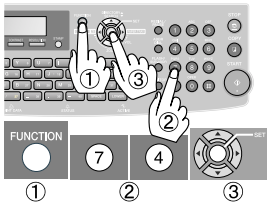
Sender Selection

■ Setting the Sender Selection

This operation allows you to select one of the 25 preset User Names and Email Addresses before a transmission. The selected User Name is printed on the Header of each page you sent on the Comm. Journal. This function is available for Facsimile and Internet Fax. This function is available when using Facsimile. When sending email, the selected user name and/or email address appears in the "From:" field of the email message.

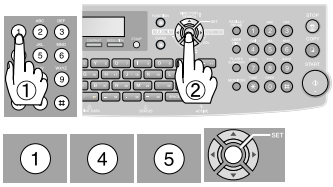


1



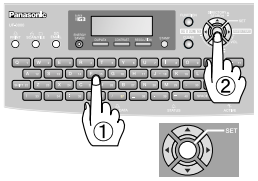
2

```
FAX PARAMETER(1-182)
NO.=▮
```



5

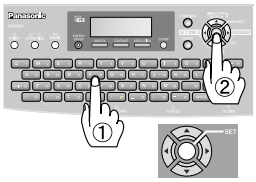
```
ENTER USER NAME
12 ▮
```



Enter your User Name (up to 25 characters and digits), to be shown on the "From" field of the email, then press SET.
Ex: PANASONIC SALES

6

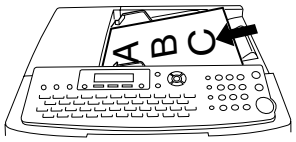
```
ENTER EMAIL ADDRESS
12 ▮
```



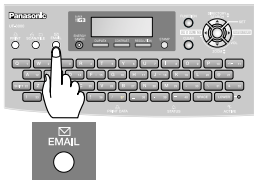
Enter an email address (up to 60 characters), to be printed on the "From" field of the mail message, then press SET.
Ex: abc@panasonic.com

■ Sending Documents with Sender Selection

1



2



3

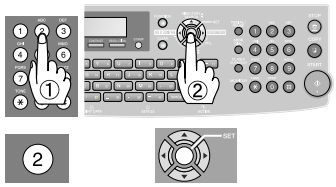
Enter an email address.

NOTE

1. If you do not select a User Name, the machine selects the default User Name (00) that was programmed in the User Parameters for ordinary transmission.

3

```
145 SENDER SELECTION
 1:INVALID
```



2

4

```
SENDER SELECTION
ENTER NO. OR ∨ ∧
```

5

Enter the Sender Selection number (01 to 24, 2-digit).

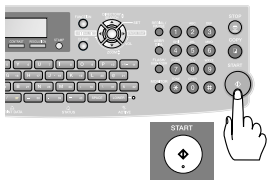
Ex: ①②

7

```
ENTER USER NAME
13 ▮
```

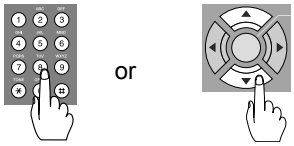
To record another User Name, repeats from Steps 5 to 6.
To return to standby, press STOP.

4



5

```
SELECT SENDER(00-24)
ENTER NO. OR ∨ ∧
```



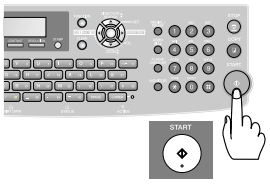
or

Sender Selection No. Scroll

Ex: ①②
(2-digit)

6

```
12 PANASONIC SALES
abc@panasonic.com
```



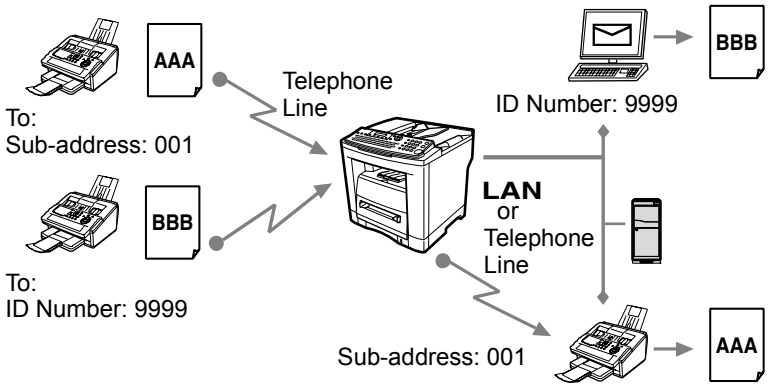
NOTE

2. The Sender Selection List can be printed out with the Fax Parameter List. To enable the printing of the Sender Selection List, change the setting of Fax Parameter No. 145 (**Sender Selection**) to "**Valid**" in advance (see page 87).

Advanced Internet Fax Features

Inbound Routing

■ Setting the Routing Parameters



Your machine can route documents received from a G3 fax machine to email address(es) or to Internet Fax machine(s) connected to a LAN, as well as to other G3 fax machine(s) over the telephone line.

To use this feature, the Fax Parameter No. 152 (**Sub-address Routing**) and/or No. 153 (**TSI Routing**) must be set to "**Valid**".

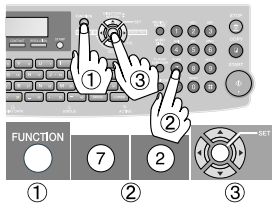
No. 152 Sub-address Routing:

Set this parameter to perform an ITU-T sub-address query within its auto dialer and to route the received document(s) to the corresponding stations email address(es) or telephone number(s).

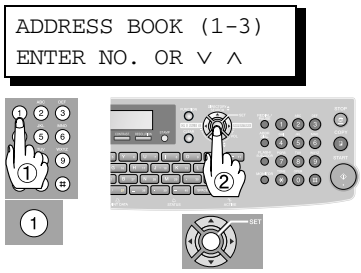
■ Quick Name Search Email addressing for Inbound Routing

(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

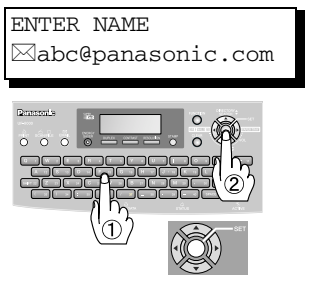
1



2



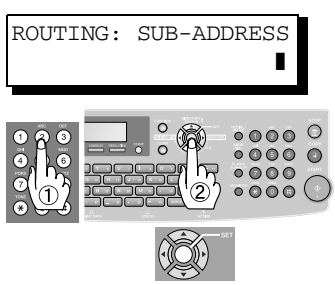
5



Enter the station name (up to 15 characters), then press SET .

Ex: SALES DEPT

6



Enter the sub-address (up to 20 digits).

No. 153 TSI Routing:

Set this parameter to perform a Numeric ID (TSI frame information) query within its auto dialer and to route the received document(s) to the corresponding stations email address(es) or telephone number(s).

No. 154 Routing Header Format:

Use this parameter to select the type of email header to be included in the "From" field of each routed faxes.

(Default setting is "**Originator**".)

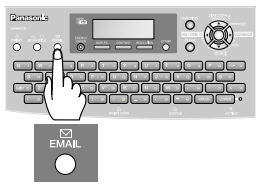
Originator :The originating fax machine's TSI will appear in the "From" field of the routed email.

Relay Station :The routing station's email address will appear in the "From" field of the routed email.

No. 155 Print Routed Document:

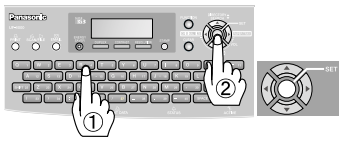
Set this parameter to select whether a received fax to be routed is always printed on your machine or only when the routing operation fails.

3



4

```
ADD STATION
ENTER EMAIL ADDRESS
```



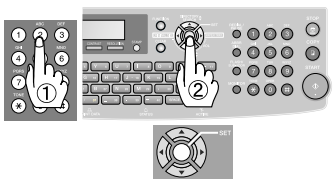
5

Enter an email address (up to 60 characters), then press SET .

Ex: abc@panasonic.com

7

```
ROUTING: TSI
```



Enter the Numeric ID (TSI) (up to 20 digits).

8

```
ADD STATION
ENTER TEL. NO.
```

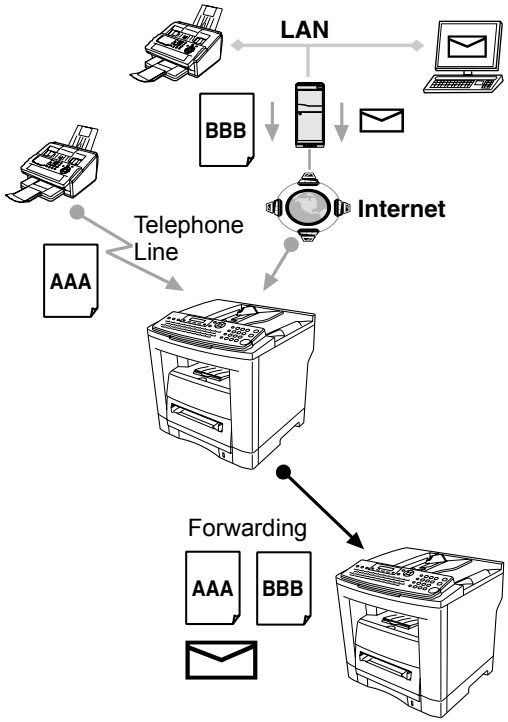
To return to standby, press STOP .

Advanced Internet Fax Features

Fax Forward

This feature allows all incoming faxes or emails to be forwarded to the station registered in the Address Book or One-Touch/Abbreviated Email Addressing. Once the faxes or emails are received in the memory, the machine will forward the received document(s) to the fax telephone number or the email address registered in the Address Book or One-Touch/Abbreviated Email Addressing.

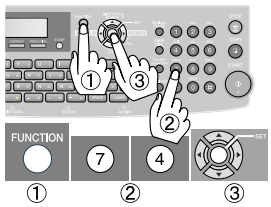
This function is convenient when you would like to receive faxes or emails in another place (i.e. your home) at night or during a holiday.



■ Setting Fax Forward

1 → 2

First register the destination telephone number or email address into the Address Book or One-Touch/ Abbreviated Email Addressing (see pages 72 to 75).



5

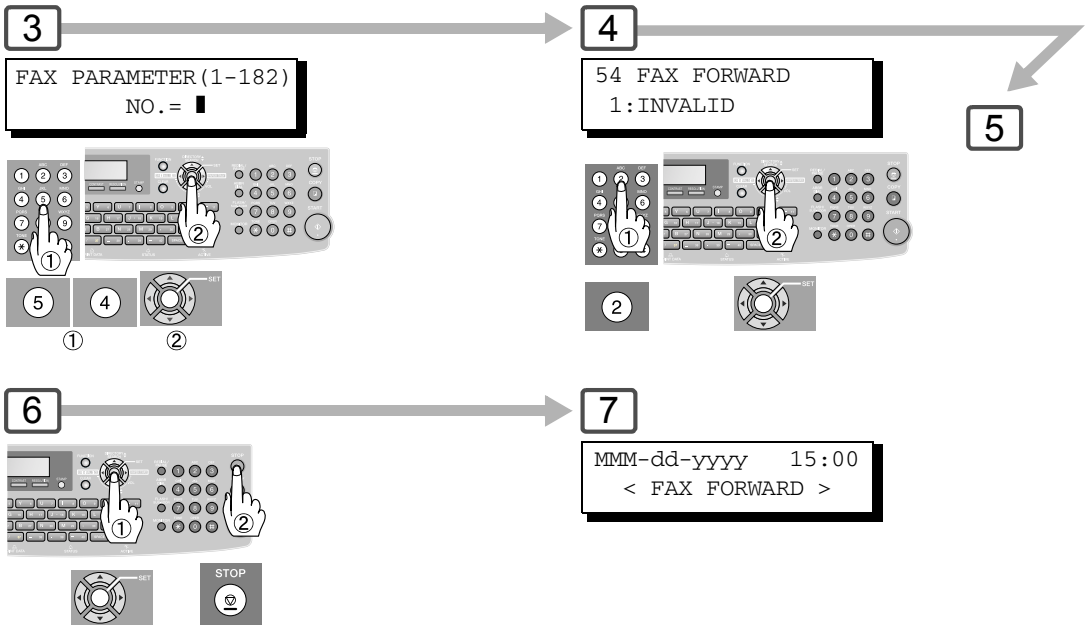
```
54 FAX FORWARD
ENTER STATION
```

Enter Email station(s) by following method.
- Quick Name Search Email Addressing
- One-Touch/ABBR. Email Addressing
- Directory Search Email Addressing

(For details, see pages 34 and 35.)

NOTE

1. When the Fax Forward feature is set, the assigned address will be restricted from editing. Change this function to "**Invalid**" when editing the address.
2. If the communication to transfer to a received document(s) fails or email fails, the received fax or email will be printed and then is erased from memory. If the Fax Parameter No. 156 (**Print Forward Document**) is set to "**Always**", the received fax or email will print even when the transmission is successful.



NOTE

3. It is not possible to receive a document if the memory of your machine overflows or is about 95% used.

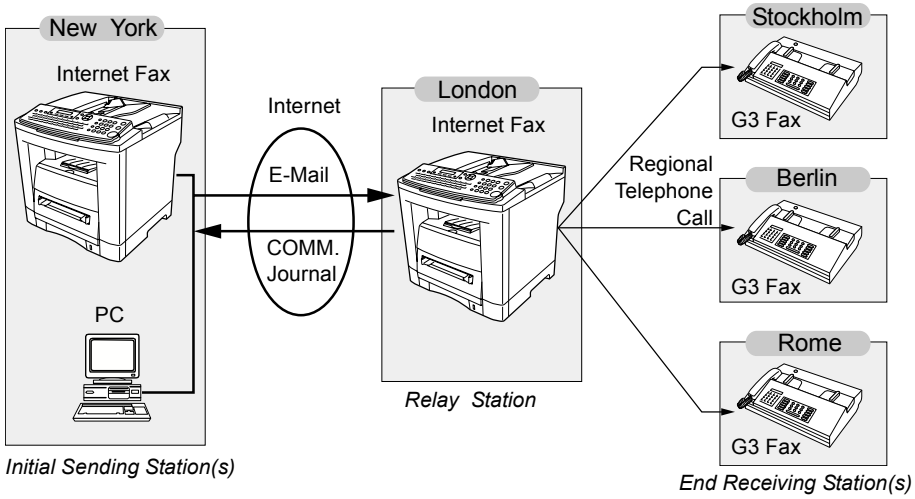
Advanced Internet Fax Features

Relayed Transmission

■ General Description

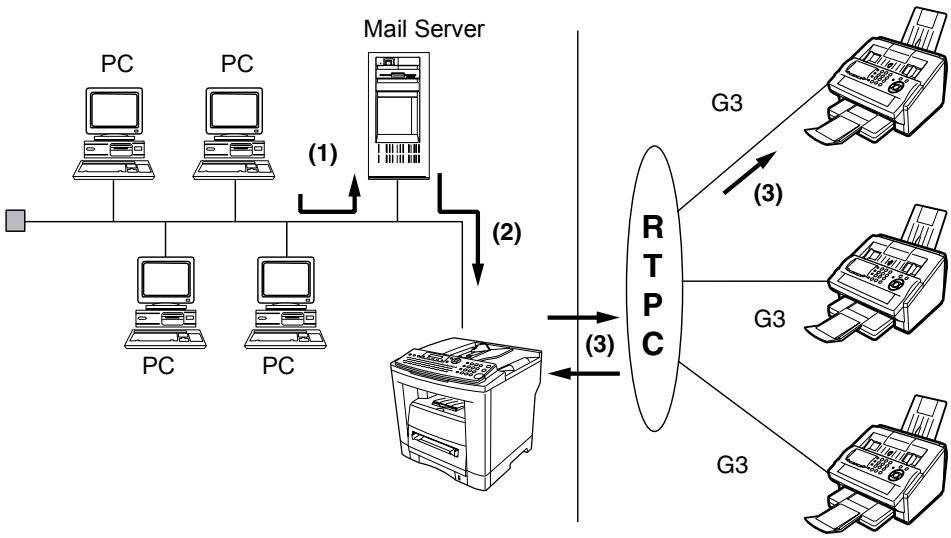
The Internet Relayed Transmission feature can save your time and transmission costs if you need to send the same documents to multiple G3 fax machines.
This is especially true if the transmissions are long distance.
You can send documents to any G3 fax machines by using the Internet via a LAN from your machine to another Relay Station.
You can also send an email with attached TIFF-F file(s) to any G3 fax machines from your PC with your current email application through a Relay Station.
To use the Internet Relayed Transmission, the Relay Station must be set up properly.

Example 1: Internet Relay Transmission



From your PC or machine, you can send documents to a Relay Station with the telephone number of the End Receiving Station(s).
After the Relay Station completes its transmission to the End Receiving Station, your PC or machine receives a COMM. Journal from the Relay Station. This COMM. Journal confirms whether the Internet Relayed Transmission was successful.

Example 2: Fax Server (Intranet Relay Transmission)



(1) Initiate a Relay Transmission via email to the Mail Server.
(2) Mail Server transfers the email to your machine with relay instructions to transmit to a G3 machine(s).
(3) Your machine initiates a telephone call to the G3 machine(s) and transmits the document.

■ Relay Network

This Feature saves your time and long distance phone line costs when sending an Internet Fax directly from your machine to the end receiving station(s).

A Relay Network is basically composed of an Originating Station, which can be an Internet Fax Machine (your machine) or a PC, a Relaying Internet Fax Machine (another machine), and End-receiving station(s), which can be regular G3 Fax machines.

By simply sending a Document(s) from your machine or an email message from a PC to the Relay Machine, which is then transmitted by your machine to the end receiving station(s) using regular phone lines as a normal G3 Fax message. (PC can have TIFF-F or text (.txt) file attachment)
The end receiving station(s) is (are) usually local in relation to the Relay Station, which incurs a local telephone changed for the Fax Transmission.

After the Relay Station completes its transmission to the end receiving station(s), a Communication Journal is sent back to the originator from the Relaying Internet Fax confirming whether the Internet Relayed Transmission is successful. Any Relay activity informations is sent by an email from the Relaying Internet Fax to its Manager's Email Address, which is programmed in the Relaying Internet Fax machine's User Parameters (see page 29).

To use the Internet Relayed Transmission, just follow the set up procedure described on pages 62 to 71 and obtain certain information provided by the Relaying machine operator. A sample network is shown in Figure 1.

Figure 1 shows a sample network as seen from **New York *(Initiating Station)***, **London and Singapore are *(Relay Stations)*** connected to New York, and the ***End Receiving Stations*** are **Stockholm, Rome, Tokyo, Hong Kong, and Sydney**.

With this sample network using two Relay Stations, you can send a document with one operation to any combination of stations in the network via the London Relay Station and/or Singapore Relay Station.

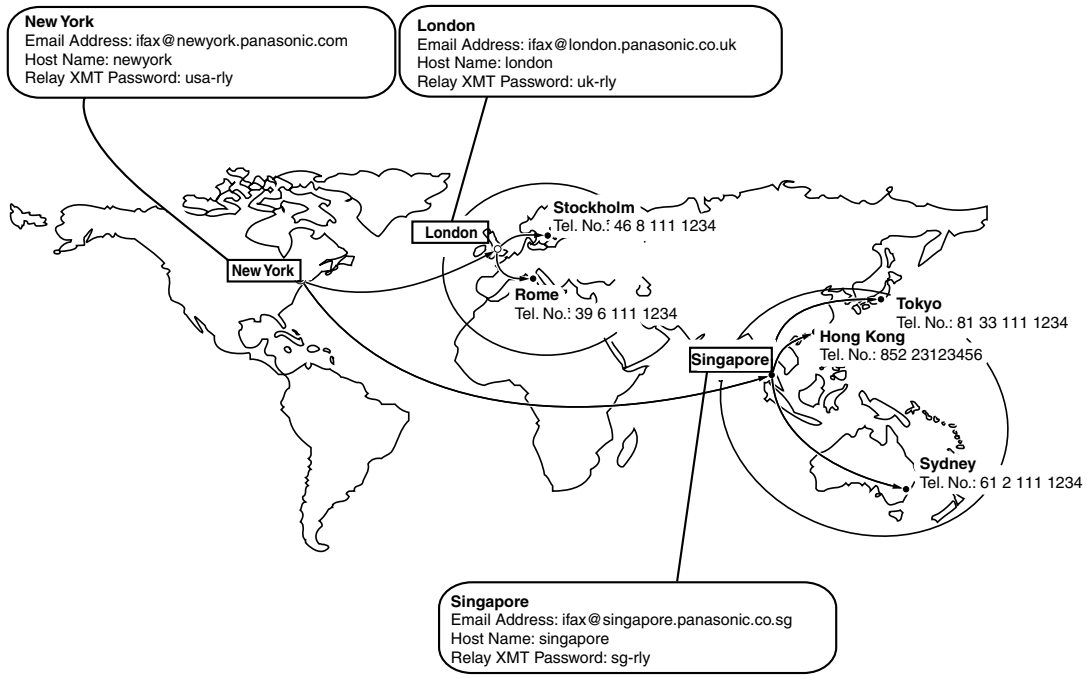


Figure 1: Sample Network

Advanced Internet Fax Features

Relayed Transmission

Table 1, 2 and 3 are sample settings for the Sample Network shown in Figure 1.

Table 1: Sample Parameter and Auto Dialer Dialing Number Table for New York (Originating Station)

Telephone Number : 212 111 1234
Email Address (SMTP) : ifax@newyork.panasonic.com
Host Name : newyork
Relay XMT Password : usa-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]

Table 2: Sample Parameter and Auto Dialer Dialing Number Table for London (Relaying Station)

Telephone Number : 71 111 1234
Email Address (SMTP) : ifax@london.panasonic.co.uk
Host Name : london
Relay XMT Password : uk-rly

Station Name	Email Address / Telephone Number	Relay Station Address
New York	ifax@newyork.panasonic.com	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---

Table 3: Sample Parameter and Auto Dialer Dialing Number Table for Singapore (Relaying Station)

Telephone Number : 65 111 1234
Email Address (SMTP) : ifax@singapore.panasonic.co.sg
Host Name : singapore
Relay XMT Password : sg-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
New York	ifax@newyork.panasonic.com	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---

NOTE

1. The Relay XMT Password must be registered for your machine to work as a Relay Station.
2. To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmissions, you must setup your network security. Enter acceptable Domain Name(s) and the Manager's Email Address for notification of all Internet Relayed Transmissions.

■ Setting Up Your Machine as an Internet Relay Station

To set up your machine as a Relay Station, the following parameters must be set properly.

1. **Relay XMT (Fax Parameter No. 142)**
   Selecting whether the machine will accept and performs G3 relayed transmission (see page 87).
   1) **Invalid** - Machine will not accept a Relay XMT request.
   2) **Valid** - Machine will accept a Relay XMT request.

2. **Relay XMT Report (Fax Parameter No. 143)**
   Selecting how the COMM. Journal for relayed transmission is sent to the originator.
   1) **Off** - Do not send
   2) **Always** - The COMM. Journal is always sent after a Relay Communication is completed or has failed.
   3) **Incomplete only** - The COMM. Journal is sent if the Relay Communication to the destination has failed.

3. **Relay XMT Password (User's Parameter) (See note 3)**
   Enter a Relay XMT Password (up to 10 characters) to be used for protection against unauthorized (outside) stations from accessing your machine to relay messages to a G3 fax machine via PSTN. This password should be given out to authorized people only.

4. **Relay Address (Auto Dialer)**
   The syntax of Relay Station Address is: ("Relay XMT Password" + @ + "Host Name" + "Domain Name")

5. **Manager's Email Address (User's Parameter)**
   Register the Department Manager's Email Address for supervision and cost control purposes. Once registered, the machine will send an email notification to this email address for each Relayed XMT Request received from a remote station. The following information is sent.
   (From : The email address of the originating station.)
   (To : The telephone number of the destination G3 fax machine.)

6. **Domain Names (User's Parameter) (See note 4)**
   Register up to 10 Domain Names (up to 30 characters) that your machine will accept Relayed Transmission. Requests to relay a message to another G3 fax machine via PSTN.

   Ex: Registered Domain Names
   (01): panasonic.co.jp
   (02): abc.ifax.com
   (03): panasonic.com

   In the example above, the Relayed XMT Request will be accepted only from the email addresses that include the Domain Name of panasonic.co.jp, abc.ifax.com or panasonic.com.

NOTE

3. This should be different that your machine's Email Address used to receive regular email or Internet Fax as your machine's Email Address is always included in the header of all email messages sent. So, anyone receiving an Internet Fax from the machine will know easily the Relay XMT Password if it is the same as the Email Address.
4. If all the Domain Names are left blank, the Internet Fax will accept Relayed XMT Requests from any domain.

Advanced Internet Fax Features

Relayed Transmission

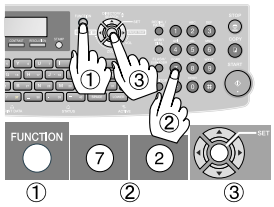
■ Programming the End Receiving Station into your Auto Dialer

If the Fax Parameter No. 140 (**LAN Relay XMT Request**) is set to "**Valid**", you can enter the Relay Address by the following procedure.

To set an Address Book or One-Touch/ABBR. Dialing for Relayed Transmission Request.

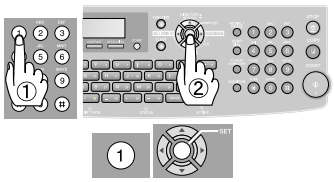
(**Ex:** When Fax Parameter No. 119 is set to "2: Quick Name Search", see page 86.)

1



2

```
ADDRESS BOOK  (1-3)
ENTER NO. OR ∨ ∧
```



4

```
ENTER NAME
☎3961111234
```

Ex: ROME

Enter the station name (up to 15 characters) by using the QWERTY Keyboard.

5

```
RELAY ADDRESS
ENTER STATION
```

Enter the Relay Station that you want to assign to this End Receiving Station. It must contain the Relay XMT Password of the Relay Station.

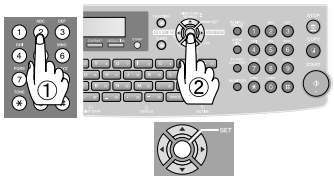
- Quick Name Search Email Addressing
- One-Touch/ABBR. Email Addressing
- Directory Search Email Addressing

(For details, see pages 34 and 35).

3

```
ADD STATION
ENTER TEL. NO.
```

4



Ex: 3961111234

Enter the telephone number (up to 36 digits).

If the Relay and the End Receiving Stations are both in the same area, omit the Country Code and the Area Code from the End Receiving Station. The End Receiving Station is a local telephone number as viewed from the Relay Station.

6

```
ADD STATION
ENTER TEL. NO.
```

To return to standby.

Advanced Internet Fax Features

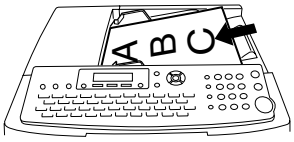
Relayed Transmission

■ Sending via an Internet Relay

To a Location That Has a programmed Relay Station

Once you have recorded all the necessary parameters in your machine, you can send a document to one or multiple G3 fax machines automatically through the Internet Relay Station by using the following procedure. The Internet Relay Station must have all the required parameters setup.

1



2

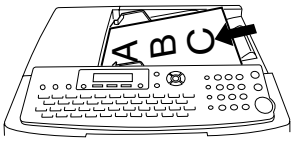
Enter only the End Receiving Station(s) that is registered the Relay Station.
- Quick Name Search
- One-Touch/ABBR. Addressing
- Directory Search Addressing

(For details, see pages 34 and 35)
Ex: STOCKHOLM

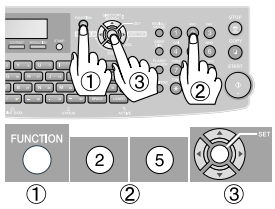
■ Sending via an Internet Relay

To a Location that Does Not Have a Pre-programmed Relay Station

1



2



3

```
LAN RELAY XMT
ENTER RELAY STATION
```

Assign a Relay Station by either one of the following methods.
- Quick Name Search Email Addressing
- One-Touch/ABBR. Email Addressing
- Directory Search Email Addressing

(For details, see pages 34 and 35)
Ex: LONDON

6

The document(s) is (are) stored into memory, and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234
(Telephone number)
[see Note 2]
Relay Station : uk-rly@london.panasonic.co.uk

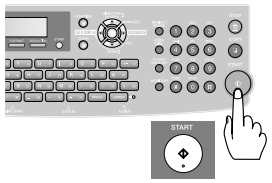
After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station.
This Journal confirms whether the Internet Relayed Transmission is successful.

NOTE

1. The "#" character is not available for the email address of the relay station.

3

STOCKHOLM
☎4681111234



The document(s) is (are) stored into memory and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234
(Telephone number)
[see Note 2]
Relay Station : uk-rly@london.panasonic.co.uk

After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station.
This Journal confirms whether the Internet Relayed Transmission is successful.

4 → 5 → 6

LAN RELAY XMT
ENTER STATION(S)

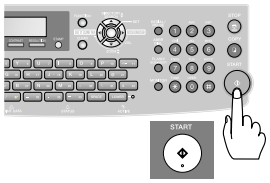
Enter only the End Receiving Station(s) that is registered telephone number, using any combination of the following methods.

- Quick Name Search
- One-Touch/ABBR. Dialing
- Manual Number Dialing
- Directory Search Dialing

(For details, see pages 32 to 35)

Ex: STOCKHOLM

STOCKHOLM
☎4681111234



NOTE

2. If the Relay Station requires a special access number to get an outside line, enter that access number first, then press PAUSE to enter a pause (represented by a "-") before entering the full number.

Advanced Internet Fax Features

Relayed Transmission

■ Sending Document(s) from a PC to a G3 Fax Machine

Using your email application, you can send any document(s) from your PC as a TIFF-F attachment to one or multiple G3 fax machines automatically through the Internet Relay Station.

The Internet Relay Station (your machine) must be properly setup with all the required parameters.

To send a Relayed Transmission from your PC using your email application, follow the example below.

Ex: In the "To:" box of your email application, type the following:

sg-rly#81331111234@singapore.panasonic.co.sg

or

sg-rly#*001@singapore.panasonic.co.sg

- Relay XMT Password: sg-rly
- # + End Receiving Station (with Phone Number): #81331111234 (See Note 1)
- #*+ End Receiving Station (with Abbreviated Dialing Number): #*001 - #*200 (See Note 1)
- #*+ End Receiving Station (with One-Touch Number): #*2001 - #*2080 (See Note 1)
- @ + Relay Station's Host Name + Domain Name: @singapore.panasonic.co.sg

Your PC sends the text document(s) to the Relay email address of the Relay Station with the telephone number of the End Receiving Station.

After the Relay Station completes its transmission to the End Receiving Station(s), your PC receives a COMM. Journal from the Relay Station. This Journal confirms whether the Internet Relayed Transmission is successful.

Auto Dialer Number and Program Key Number can be confirmed the Auto Dialer data that is retrieving via Email (see page 92).

NOTE

1. The "#" and "* (TONE)" symbol must be entered after the Relay XMT Password as it indicates to your machine that a phone number for the End Receiving Station will follow.
2. If the Relay Station requires a special access number to get an outside line, enter that access number first, then enter a hyphen (represented by a "-") before entering the full number.

A **TIFF Converter** software is used on your PC to convert document(s) into a "TIFF" file format, which allows the Internet Fax to receive the document as an attachment to an email. When you are sending a detailed graphic document(s) to a Panasonic Internet Fax, you can specify 600 dpi resolution for better clarity.

Internet Fax Mailer software is an add-in program for the TIFF Converter that links the email client for MAPI to the TIFF converter for the Internet Fax.

Before sending image as email from the application to the Internet Fax, you have to convert the file into the format that the Internet Fax is allowed to receive and print as an email using the TIFF file creation function. You also have to send that file to the Internet Fax as an attached document.

Internet Fax Mailer, allows you to create TIFF files automatically by pressing one button form the TIFF Converter for the Internet Fax.

You can download the Panasonic's TIFF Converter, **Internet Fax Mailer** software and their respective User's Guides from any of the following URL address.

http://panasonic.co.jp/pcc/en/

To simplify the Relay Transmission operation, Panasonic has an Optional Panasonic Fax Gateway software.

Please visit the following URL address for more details:

http://www.panasonic.com/office/

Advanced Internet Fax Features

Relayed Transmission

■ Printouts and Reports

When you use Relayed Transmission, relay station will send the following two reports to help you check and keep track of your faxes.

1. **Relay XMT Report (COMM. JOURNAL)**
   When the relay station finishes transmitting to the End Receiving Station, it will send a Comm. Journal to you when the Fax Parameter No. 143 is set to "**Always**" or "**Inc. Only**", this tells you whether the transmission was successful or not.
2. **Transmission Journal**
   When the Relay Station receives instructions for a relayed transmission, a notification is emailed to the registered manager (see "Setting Up Your machine as an Internet Relay Station" on page 63).

Sample Relay XMT Report (COMM. JOURNAL)

```
************** -COMM. JOURNAL - ***************** DATE MMM-dd-yyyy **** TIME 15:00 ********

  (1)                                    (2)                    (3)

MODE = RELAYED TRANSMISSION               START=MMM-dd 15:00      END=MMM-dd 15:00

   FILE NO.= 050 (4)

(5)     (6)     (7)          (8)                                          (9)           (10)

STN     COMM.   ONE-TOUCH    STATION NAME/EMAIL ADDRESS/TELEPHONE NO.     PAGES         DURATION
NO.
001     R-OK                 ☎ 4681111234                                 001/001       00:00:15

                                                          - PANASONIC -

***** UF-xxxx ********************** - HEAD OFFICE      - ****** - 201 555 1212 - *******
```

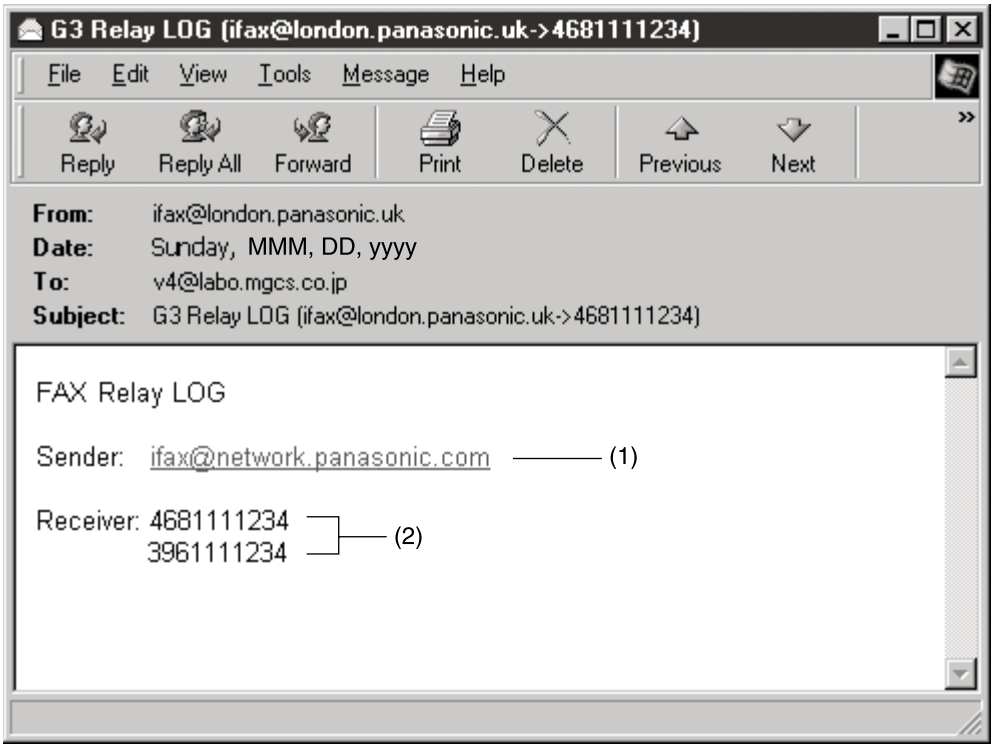
Explanation of Contents

(1) Indication of communication mode
(2) Start time of communication
(3) End time of communication
(4) File number : 001 to 999
(5) Sequential number of the stations
(6) Communication result : "R-OK" indicates that the Relayed XMT Request was successful. "3-digit Info Code" (see page 113–115) indicates that the communication has failed.
(7) One-Touch
(8) Telephone Number, Email Address or Station Name of the end receiving station
(9) Number of pages transmitted : 3-digit number represents the number of pages successfully transmitted.
(10) Duration of Communication

NOTE

1. If you transmit through more than one Relay Station, you will receive a separate Result Report.

Sample Relayed Transmission Notification Email to a Manager



Explanation of Contents

(1) Email address of the sender's Internet Fax (Your machine) or PC

(2) End Receiving Station's G3 fax telephone number(s)

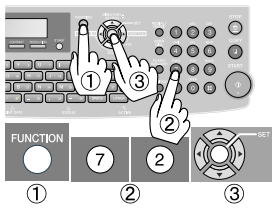
Setting Your Machine

Programming Auto Dialer

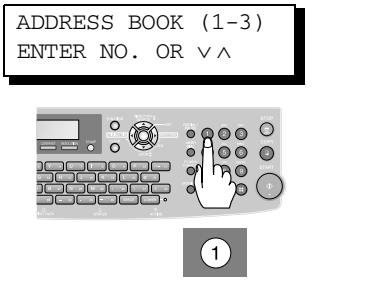
■ Programming Address Book

When Fax Parameter No. 119 is set to "2: Quick Name Search", see page 86.

1



2



6

7

Enter the station
(Up to 15 characters)

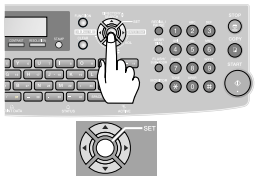
Ex. "SALES"

NOTE

1. The required six (6) Basic Internet Parameters must be set when sending via LAN (see page 28).

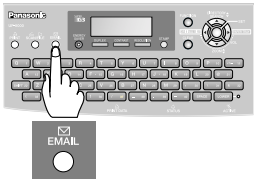
3

```
1:ADD STATION?
PRESS SET TO SELECT
```



4

```
ADD STATION
ENTER TEL. NO.
```



5

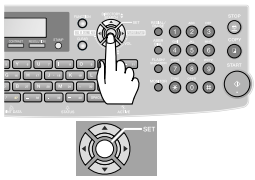
```
ADD STATION
ENTER EMAIL ADDRESS
```

Enter the email address
(Up to 60 characters)

6

8

```
SALES
✉sales@panasonic.co
```



9

```
ADD STATION
ENTER TEL. NO.
```

To record another number, repeat Steps 4 to 8.

To return to standby, press STOP.

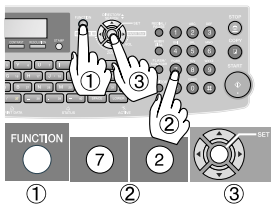
Setting Your Machine

Programming Auto Dialer

■ Programming One-Touch Key

When Fax Parameter No. 119 is set to "1: One-Touch", see page 86.

1



2

```
1:ONE-TOUCH
2:ABBR NO.
```

①

3

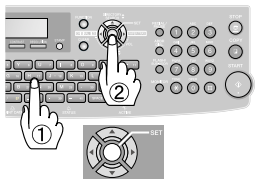
```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

When changing to Lower side (↓) of One-Touch button.

6

Lower Indicator turns OFF.

```
<13↑>
ENTER EMAIL ADDRESS
```



or

Lower Indicator is lit.

```
<13↓>
ENTER EMAIL ADDRESS
```

Enter the email address
(Up to 60 characters)

Ex: sales@panasonic.com

7

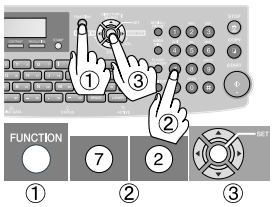
```
<13↑>ENTER NAME
✉sales@panasonic.co
```

Ex: SALES
Enter Station Name using the QWERTY Keyboard (up to 15 characters).

■ Programming Abbreviated Dialing Number

When Fax Parameter No. 119 is set to "1: One-Touch", see page 86.

1



2

```
1:ONE-TOUCH
2:ABBR NO.
```

②

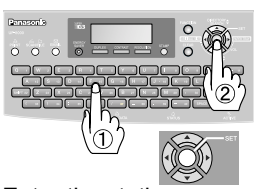
3

```
ABBR[▌  ]
ENTER ABBR NO.
```

Ex: ⓪②② (3-digit)
(001 - 200)

6

```
[022]ENTER NAME
✉sales@panasonic.co
```



Enter the station name
(up to 15 characters).

7

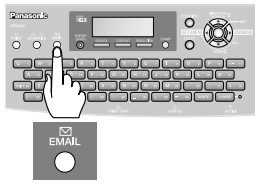
```
ABBR[▌  ]
ENTER ABBR NO.
```

To record another number, repeat Steps 3 to 6.
To return to standby, press STOP.

4

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

5



6

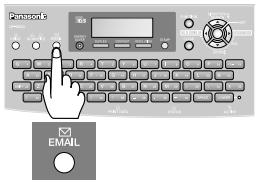
Select One-Touch
Ex: 13

8

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

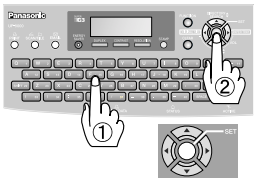
To record another number, repeat Steps 3 to 7.
To return to standby, press STOP .

4



5

```
[022]
ENTER EMAIL ADDRESS
```



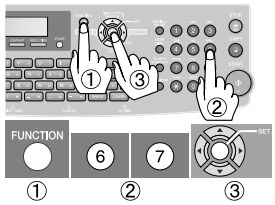
6

Enter the Email Address (up to 60 characters).

■ Printing Out Directory Sheet

After programming the One-Touch Email Address(es), you can print the Directory Sheet which includes each station's name.
This sheet is available when the Fax Parameter No.119 is set to "1: One-Touch". (See page 86)

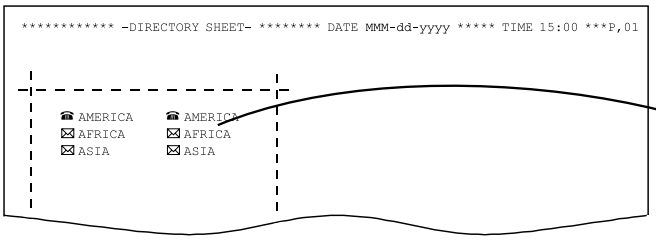
1 → 2




```
* PRINTING *
DIRECTORY SHEET
```

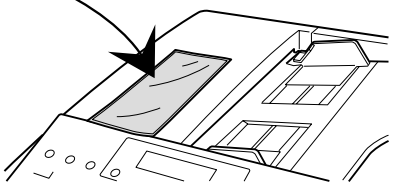
Your machine prints the Directory Sheet.

Directory Sheet Sample



Cut the Directory Sheet along the dashed lines and insert into the Directory Holder.

Note: It may be necessary to trim the edges a bit further for the sheet to fit into the holder better.



Explanation of Contents

☎: Telephone Number is programmed
✉: Email Address is programmed
👪: Group Dial is programmed
(None): Program Key is programmed

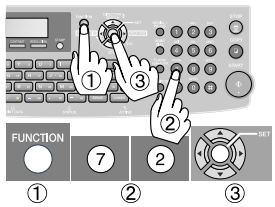
Setting Your Machine

Programming Auto Dialer

■ Changing or Erasing the Settings of the One-Touch/Abbreviated Dialing Numbers

(When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

1



2

```
1:ONE-TOUCH
2:ABBR NO.
```

Ex: ②

3

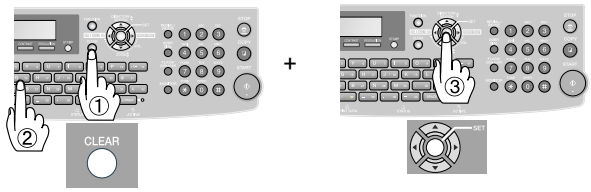
```
ABBR [▌ ]
ENTER ABBR NO.
```

Ex: 022 (001-200)

To change

4a

```
[022] SALES DEPT
✉abc@panasonic.com
```

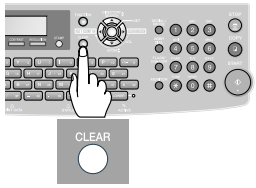


Press CLEAR, then enter a new email address
(Up to 60 characters)

To erase

4b

```
[022] SALES DEPT
✉abc@panasonic.com
```



NOTE

1. To correct a mistake, use ◀ or ▶ to move the cursor to the right side of the incorrect number; press CLEAR then reenter the new number.

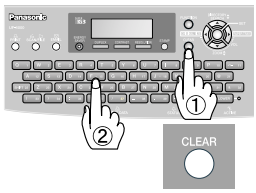
4a To change

or

4b To erase

5a

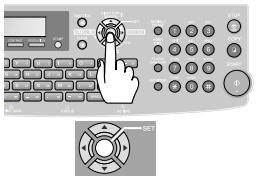
```
[022] SALES DEPT
✉aaa@panafax.com
```



Press CLEAR , then enter the station name using the QWERTY Keyboard (up to 15 characters).
Ex: PANAFAX

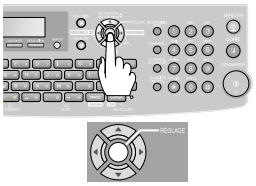
6a

```
[022] PANAFAX
✉aaa@panafax.com
```



5b

```
[022] SALES DEPT
ENTER EMAIL ADDRESS
```



6b

```
ABBR [▌ ]
ENTER ABBR No.
```

To return to standby.

NOTE

2. If the One-Touch/Abbreviated Dialing Number has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.

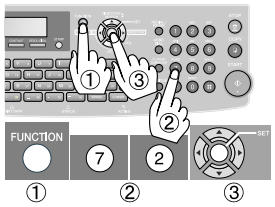
Setting Your Machine

Programming Auto Dialer

■ Changing or Erasing the settings of the Address Book

(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

1



2

```
ADDRESS BOOK (1-3)
ENTER NO. OR∨∧
```

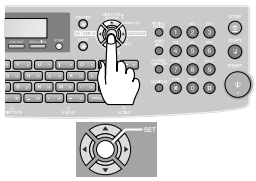
② : To change station.

③ : To erase station.

To change

3a

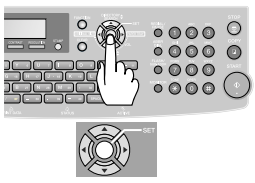
```
2:MODIFY STATION?
PRESS SET TO SELECT
```



To erase

3b

```
3:DELETE STATION?
PRESS SET TO SELECT
```



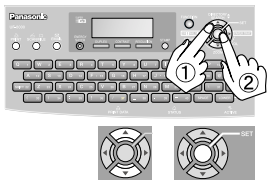
4a

```
MODIFY STATION
ENTER LETTER(S)
```

Enter a letter(s) of a name you wish to search.
Ex: PANAFAX

5a

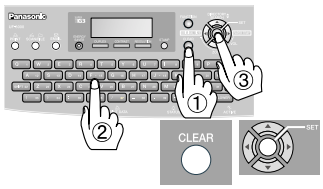
```
ENTER LETTER(S)
PANA_
```



Select a station and press SET.

6a

```
PANAFAX
✉aaa@panafax.com
```

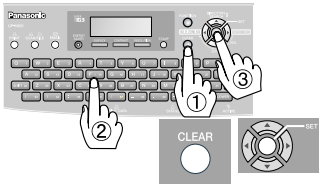


Press CLEAR, then enter a new email address then press SET.

7a

7a

```
PANASONIC
✉ed@panasonic.com
```



Press CLEAR, and enter New station (Up to 15 characters) then press SET.

8a

```
MODIFY STATION
ENTER LETTER(S)
```

To return to standby.

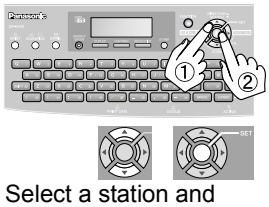
4b

```
DELETE STATION
ENTER LETTER(S)
```

Enter a letter(s) of a name you wish to search.
Ex: PA

5b

```
ENTER LETTER(S)
PA_
```



Select a station and press SET.

6b

```
PANASONIC
DELETE? 1:YES 2:NO
```

7b

7b

```
DELETE STATION
ENTER LETTER(S)
```

To return to standby.

Setting Your Machine

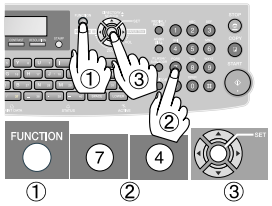
Fax Parameters

■ General Description

Your machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution and Contrast parameters, can be temporarily changed by simple key operation just before a transmission is made. When the transmission ends, however, these parameters return to their preset values (Home position). Other parameters can only be changed by the procedure described below.

■ Setting the Fax Parameters

1



2

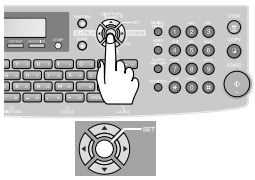
FAX PARAMETER(1-182)
NO.= ▮

Enter Fax Parameter number from the Parameter Table.

Ex: ⓪⓪④

3

FAX PARAMETER(1-182)
NO.=004



NOTE

1. To scroll the Fax Parameters in Step 3, press ▼ or ▲.
2. To print out a Fax Parameter List, Press FUNCTION ⑥ ④ SET .

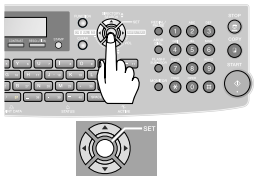
4 → 5

```
04 STAMP(HOME)
 1:OFF
```

Change setting.

Ex: ② for "ON"

```
04 STAMP(HOME)
 2:ON
```



To set another parameter, press CLEAR to return to Step 3 or press STOP to return to standby

NOTE

3. Fax Parameter setting mode is accessible only when the machine is in the Ready Mode.

Setting Your Machine

Fax Parameters

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
001	CONTRAST (HOME)	1	Lightest	Setting the home position for the CONTRAST.
		2	Lighter	
		*3	Normal	
		4	Darker	
		5	Darkest	
002	RESOLUTION (HOME)	1	Standard	Setting the home position for the RESOLUTION.
		*2	Fine	
		3	S-Fine	
		4	600 dpi	
		5	Halftone (Fine)	
		6	Halftone (S-Fine)	
		7	Halftone (600 dpi)	
004	STAMP (HOME)	*1	Off	Setting the home position for the STAMP.
		2	On	To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
005	MEMORY (HOME)	1	Off	Setting the home position for the MEMORY.
		*2	On	
006	DIALING METHOD	1	Pulse	Selecting the dialing method.
		*2	Tone	
007	HEADER PRINT	*1	Inside	Selecting the printing position of the header.
		2	Outside	**Inside** : Inside TX copy area.
		3	No print	**Outside** : Outside TX copy area.
				No print : Header is not printed.
008	HEADER FORMAT	*1	Logo, ID No.	Selecting the header format.
		2	From To	
009	RCV'D TIME PRINT	*1	Invalid	Selecting whether the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received document.
		2	Valid	
010	KEY/BUZZER VOLUME	1	Off	Selecting the volume of the Key/Buzzer tone.
		*2	Soft	
		3	Loud	
012	COMM. JOURNAL	1	Off	Selecting the home position of printout mode for COMM. Journal Off/Always/Inc. only.
		2	Always	**Off** : Does not print
		*3	Inc. Only	**Always** : Always prints
				Inc. Only : Prints only when communication has failed.
013	AUTO JOURNAL PRINT	1	Invalid	Selecting whether the machine prints the journal automatically after every 200 transactions.
		*2	Valid	
014	FILE ACCEPTANCE REPORT	*1	Invalid	Selecting whether the machine prints the file acceptance journal.
		2	Valid	If you set this parameter to valid, a journal will print out after any memory communication.
017	RECEIVE MODE	1	Manual	Setting the reception mode to automatic or manual.
		*2	Auto	
022	SUBSTITUTE RECEIVE	1	Invalid	Selecting whether the machine receives to memory when the recording paper runs out, toner runs out or the recording paper is jammed.
		*2	Valid	
023	REC. PAPER SIZE		(----)	Selecting the Paper Tray and paper size.

No.	Parameter	Setting Number	Setting	Comments
024	PRINT REDUCTION	1	Fixed	Selecting print reduction mode. **Fixed** :Reduce received document according to setting of Parameter No. 25. **Auto** :Reduce received document according to the length of received documents.
		*2	Auto	
025	REDUCTION RATIO	70	70%	Selecting the fixed print reduction ratio from 70% to 100%. This parameter functions only when the fixed print reduction is selected on Fax Parameter No. 24.
		----	----	
		*100	100%	
026	POLLING PASSWORD		(----)	Setting a 4-digit password for secured polling.
027	POLLED FILE SAVE	*1	Invalid	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		2	Valid	
028	STAMP AT MEMORY XMT	1	Invalid	Selecting whether the machine stamps the original documents when storing the documents into memory. (depending on the Stamp setting on the Control Panel. If the setting is "Invalid", the machine will not stamp even if the Stamp LED light is ON)
		*2	Valid	
031	INCOMPLETE FILE SAVE	*1	Invalid	Selecting whether the machine retains the document in memory if the document is not successfully transmitted.
		2	Valid	
034	ENERGY SAVER MODE	1	Invalid	Select a Energy Saver mode and time. **1**: Invalid / **2**: Power Saver / **3**: Sleep / **4**: Shutdown **Mode timer**: 1-240 min.
		2	Power Saver	
		*3	Sleep	
		4	Shutdown	
035	DAYLIGHT TIME	1	Invalid	Selects whether to enable the daylight time feature.
		*2	Valid	
036	RING PATTERN (DRD) (See page 89, Note 2)	*1	Invalid	All ring patterns.
		2	Valid	Select a ring pattern for automatic answering. **1**: A Standard ring pattern. **2**: B Double ring pattern. **3**: C Triple ring pattern (Short-Short-Long). **4**: D All other triple ring patterns, except the type C described above.
037	RECEIVE TO MEMORY		(----)	Enter a 4-digit password used to print out the received document in memory by using F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display.
038	ACCESS CODE		(----)	Enter a 4-digit Access Code to secure the machine from unauthorized use.
039	PIN CODE ACCESS	*1	None	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code.
		2	Suffix	
		3	Prefix	
052	DIAGNOSTIC PASSWORD		(----)	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
053	SUB ADDRESS PASSWORD		(----)	Setting a 20-digit password for secured sub-address communication.
054	FAX FORWARD	*1	Invalid	Selecting whether the machine performs Fax Forwarding to the specified destination.
		2	Valid	
056	COVER SHEET	*1	Off	Setting the home position of the Cover Sheet parameter in the Select Mode.
		2	On	
058	LANGUAGE	*1	A-ENGLISH	Selects the default message language for the display.
		2	C-FRENCH	
		3	SPANISH	
077	DEPARTMENT CODE	*1	Invalid	Selecting whether the machine performs the Department Code operation.
		2	Valid	

Continued on the next page...

Setting Your Machine

Fax Parameters

No.	Parameter	Setting Number	Setting	Comments
082	QUICK MEMORY XMT	1	Invalid	Selecting whether the machine performs Quick Memory Transmission. **Invalid** : Stores all documents into memory first before dialing the telephone number. **Valid** : Starts dialing the telephone number immediately after storing the first page.
		*2	Valid	
088	LINE SELECTION	*1	Auto	Selecting the transmitting telephone line when the optional G3 Communication Port Kit is installed. **Auto** : Selects the available telephone line for transmission automatically. **Line-1** : Selects Line-1 as the only transmitting telephone line. **Line-2** : Selects Line-2 as the only transmitting telephone line. **Note:** Regardless of the setting selection above, the unit will answer and receive on both telephone lines.
		2	Line-1	
		3	Line-2	
095	DUPLEX PRINT	*1	Invalid	Selecting whether the machine performs duplex print when receiving the document via G3 Fax or Internet Fax.
		2	Valid	
097	SPECIAL TRAY No.1 - 2	*1	None	Select a Special Tray that will not be used for printing received faxes (Tray 1 or 2). One Tray must always be available for receiving Faxes. This setting is available when the 2nd Paper Feed Module Option is installed.
		2	Tray 1	
		3	Tray 2	
099	MEMORY SIZE (SD Memory Card)	-	-	Displays the amount of base and optional memory installed. (Base Memory + Optional Memory)
118	FAX FUNCTION DETECT	1	Invalid	Setting the number of digits required to determine the entered number is a Fax Telephone number. Upon detecting the specified number of digits, the machine will automatically switch to the FAX Mode when it is in the Copier Mode.
		2	4-Digit	
		3	5-Digit	
		*4	6-Digit	
		5	7-Digit	
		6	8-Digit	
119	QWERTY KEYBOARD	1	One-Touch	Selecting whether the QWERTY Keyboard functions as a One-Touch Dialing Keys or as Quick Name Search Keys of the station name. **One-Touch** : Each letter key is assigned with an Email Address or a Telephone Number for quick dialing. **Quick Name Search** : Entering the letter(s) of the station name for quick name search of the programmed station and quick dialing.
		*2	Quick Name Search	
121	Auto Reset Timer	1	OFF	Selecting whether the control panel reset time.
		2	30 sec.	
		*3	1 min.	
		4	2 min.	
		5	3 min.	
		6	4 min.	
122	DIAL PREFIX		(----)	Setting the Dial Prefix number (Max. 4-digits). When the the machine detects a 10-digit telephone number (excluding any characters; such as "-") being dialed, it will automatically append the preset Dial Prefix number. When the telephone number is Less or More than 10-digits in length, the Dial Prefix number is not appended.
140	LAN RELAY XMT REQUEST	*1	Invalid	Selecting whether the machine performs LAN Relay XMT Request.
		2	Valid	

No.	Parameter	Setting Number	Setting	Comments
142	RELAY XMT (A.K.A. LAN RELAY STATION ON UF-770i)	1	Invalid	Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)
		*2	Valid	
143	RELAY XMT REPORT	1	Off	Setting how the COMM. Journal for relayed transmission is sent to the originator. **Off** : Don't send. **Always** : Always send. **Inc. Only** : Send only if communication has failed.
		*2	Always	
		3	Inc. Only	
144	EMAIL CHARACTER SET	1	Japanese	Selecting the Character Set when receiving or sending email text.
		*2	English	
145	SENDER SELECTION	*1	Invalid	Selecting a pre-programmed sender's name and email address before each transmission.
		2	Valid	
146	POP TIMER	----	0 to 60 min.	Setting the time interval for the machine to check for email on the POP Server. (0 = Does not check the POP Server for email.)
		*3		
147	AUTO POP RCV	1	Invalid	Selecting whether the machine automatically downloads an email from the POP Server.
		*2	Valid	
148	DELETE POP RCV EMAIL	1	Invalid	Selecting whether the email will be deleted automatically after retrieval from the POP Server.
		*2	Valid	
149	DELETE POP ERROR EMAIL	*1	Invalid	Selecting whether to delete the email that includes an incompatible file attachment from the POP Server.
		2	Valid	
150	IFAX RETURN RECEIPT	1	Invalid	Selecting whether to send a return receipt when receiving from another Panasonic Internet Fax.
		*2	Valid	
151	EMAIL HEADER FORMAT	1	All	Selecting the header information to print when an email is received. (Normally used for Troubleshooting. It shows the path of the email transmission before arriving at your machine.)
		*2	Subject/ From/To	
		3	Off	
152	SUB-ADDRESS ROUTING	*1	Invalid	Selecting whether to automatically route a received email using ITU-T sub-address.
		2	Valid	
153	TSI ROUTING	*1	Invalid	Selecting whether to route a received fax to an email address preprogrammed in Auto Dialer using the originating fax's Numeric ID (TSI frame information).
		2	Valid	
154	ROUTING HEADER FORMAT	*1	Originator	Selecting the type of email header to be included in the "From" field of each routed faxes. **Originator** : The originating fax machine's TSI will appear in the "From" field of the routed email. **Relay Station** : The routing station's email address will appear in the "From" field of the routed email.
		2	Relay Station	
155	PRINT ROUTED DOCUMENT	*1	Inc. Only	Selecting whether a received fax to be routed is always printed or only when the routing operation fails.
		2	Always	
156	PRINT FORWARDED DOCUMENT	*1	Inc. Only	Selecting whether a memory received fax or email to be forwarded is always printed or only when forwarding is incomplete.
		2	Always	
157	TRANSACTION JOURNAL	*1	Invalid	Selecting whether the machine sends a transaction journal to the pre-programmed email address.
		2	Valid	
158	PC REMOTE UPDATE	*1	Invalid	Selecting whether the machine will accept commands from an email application, to: (a) Program the Internet Parameters (b) Program the Auto Dialer (c) Allow retrieval of the Journal
		2	Valid	
159	SUBJECT LINE ENTRY	*1	Invalid	Selecting whether the "Subject" line can be programmed during each transmission.
		2	Valid	
160	DEFAULT DOMAIN	1	Invalid	Selecting whether the machine accepts to insert the Default Domain when entering Manual Number Dialing.
		*2	Valid	

Continued on the next page...

Fax Parameters

No.	Parameter	Setting Number	Setting	Comments
161	DNS SERVER	1	Invalid	Selecting whether to enable the DNS Server.
		*2	Valid	
162	TIFF VIEWER URL	1	None	Selecting whether to include the URL address in the email message body.
		*2	English	
		3	English+ Japanese	
163	ROUTING HEADER	*1	Invalid	Selecting whether to add the Header Print information of the Routing Station on the top edge of each routed pages.
		2	Valid	
164	IFAX XMT HEADER (Email only)	*1	Included	Selecting whether to include the header when sending a document to an addressee in the same Domain as specified in the Default Domain parameter. (This is useful when using the machine to scan documents back to your PC) **Note:** When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.
		2	Not included	
168	CC/BCC STATION	*1	Invalid	Selecting whether to allow the CC/BCC email address(es) to be entered.
		2	Valid	
169	DHCP CLIENT	1	Invalid	Select whether the machine would automatically acquire the Network Parameters from the DHCP Server. (Such as IP Address, Subnet Mask, Default Gateway IP Address,etc.) **Note:** If you change the setting of this parameter, turn the Power OFF/ON.
		*2	Valid	
170	SMTP AUTHENTICATION (See page 89, Note 3)	*1	Invalid	If you transmit to the SMTP Server, user name and password are used for authentication. Selecting "Valid" allows you to set up the user name and password.
		2	Valid	
171	POP BEFORE SMTP (See page 89, Note 3)	*1	Invalid	If you transmit to the SMTP Server, POP user name and POP password are used for authentication.
		2	Valid	
172	DIRECT IFAX XMT	*1	Invalid	Selecting whether to be prompted during Auto Dialer registration if the station you are programming is to receive Internet Fax directly without going through a Mail Server.
		2	Valid	
173	DELIVERY NOTICE (HOME)	*1	Off	Setting the home position of whether to request a Message Disposition Notification (MDN) for a delivery processing confirmation indicating that the message (email) was read, when sending an email/Internet Fax. This setting will be the default value for the Function Select Mode (F8-2).
		2	On	
174	APOP AUTHENTICATION (See page 89, Note 3)	*1	Invalid	This parameter allows you to encrypt the protocol for the POP password security when connecting with the POP Server.
		2	Valid	
177	XMT FILE TYPE	1	TIFF	Selecting whether the document(s) are converted to TIFF-F or PDF format when Scanning-to-Email, or TIFF-F format when sending to an Internet Fax. The default is "PDF" as PDF has become the industry standard for exchanging documents from computer to computer (Scan-to-Email). However, PDF format cannot be used for Internet Faxing (Internet Fax to Internet Fax) as current Internet Fax specifications do not support these file formats, and TIFF-F format must be used when sending to an Internet Fax machine. (This setting can be temporarily changed when sending an Internet Fax with the Select Mode (F8-6) "XMT FILE TYPE/NAME")
		*2	PDF	

No.	Parameter	Setting Number	Setting	Comments
182	SEND COMM. JOURNAL	*1	Print	Selecting whether the Communication Journal is printed, emailed or both. **Print** : Prints **Email** : Emails to the address selected in the Sender Selection (see page 54). **Both** : Prints and Emails.
		2	Email	
		3	Both	

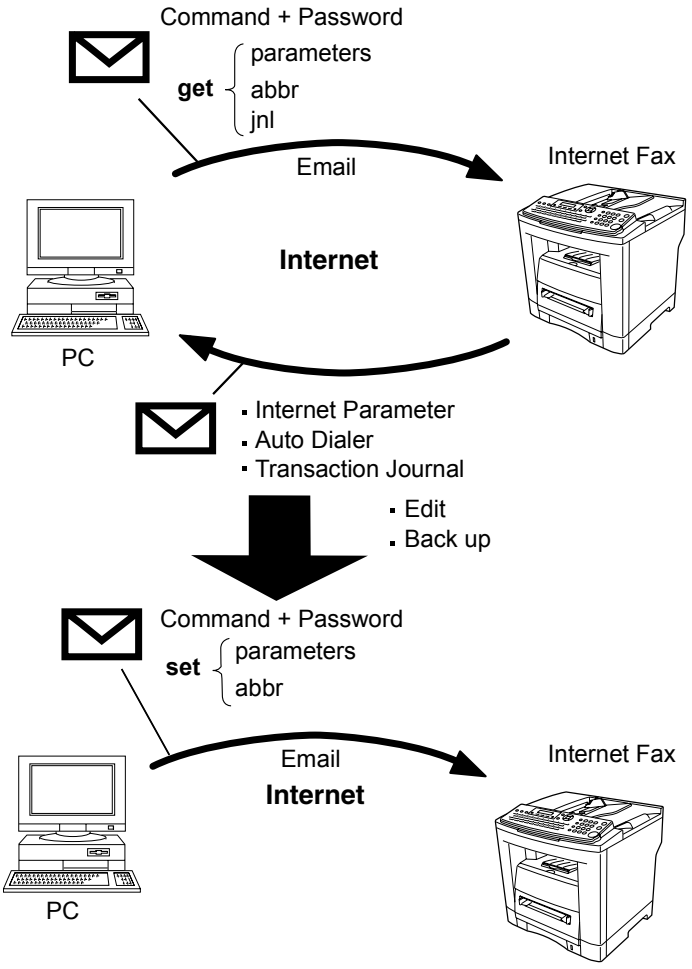
NOTE

1. The setting number marked with an asterisk (*) indicates the factory standard setting.
2. This parameter supports an optional telephone service "Distinctive Ring Service" provided by your local telephone company. It allows up to 4 different telephone numbers to be assigned on a single telephone line with a distinctive ring for each telephone number. By selecting the appropriate ring pattern associated with the telephone number assigned for your fax machine. It can differentiate and answer the incoming call on the fax number. All other calls on the other telephone numbers will not be answered. This optional service from your local phone company is also called Custom Ringing, Distinctive Ringing, Ident-a-call, Ident-a-ring, Personalized Ringing, RingMaster, RingMate, Selective Ringing, Smart Ring or something similar. Check with your local telephone company on the availability of this service in your area.
3. "Valid" can be selected when the SMTP Server or the POP Server support these capabilities.

Setting Your Machine

Programming or Retrieving Parameters via Email

■ General Description



■ Using Email to Program or Retrieve Parameters

This feature is a powerful tool, which provides a convenient and easy way of retrieving or programming Internet Parameters, Auto Dialer Dialing Numbers, Program keys and Journal retrieval from your PC by sending a text email message to your machine.
Using your email application's "Subject:" line as a command-input field, you can request your machine to perform the following commands:

	"Subject:" Line Command	Function
1	#set parameters(password)#	Programs the Internet Parameters
2	#get parameters(password)#	Retrieves the Internet Parameters
3	#set abbr(password)#	Programs the Auto Dialer
4	#get abbr(password)#	Retrieves the Auto Dialer Data
5	#get jnl(password)#	Retrieves the current Journal data

Where: "set" is used to program the data
"get" is used to retrieve the data
"parameters" represents Internet Parameters
"abbr" represents Auto Dialer
"jnl" represents Journal
"password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789). Must be enclosed within the parenthesis "( )".
The command must be enclosed within the hash (#) signs.

■ Using a PC to Input the Internet Parameters Remotely

This feature provides a convenient and an easy way to input the Internet Parameters right from your PC by sending a text email message to your machine.
The following parameters can be input remotely via a PC. The other parameters must be entered from the machine in the User Parameters (see Page 28).

- Sender Selection (up to 24 User Names, see page 54)
- Default Domain
- Selectable Domains (up to 10 additional Domain Names)
- Remote Password
- Manager's Email Address
- Relay XMT Password
- Relay Domain (up to 10 Domain Names authorized for Relay XMT Request)
- LDAP Server Name (Available for some countries only.)
- LDAP Login Name (Available for some countries only.)
- LDAP Password (Available for some countries only.)
- LDAP Search Base (Available for some countries only.)
- Community Name (up to 2 Community Names)
- Device Name
- Device Location

Your machine interprets the command that you enter in the "Subject" line of your email message and performs one of the following functions, it Retrieves or Stores data into the Internet Parameters (User Parameters).
The two types of commands that can be entered in the "Subject" line of your email:

1) To Store data, type	:	**#set parameters(password)#**	:	where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789). You can enter the Internet Parameters shown above with this command the first time. However, if these fields already contain data, do not use this command as the existing information will be deleted and overwritten. Use the Retrieve command below instead, refer to pages 92 and 98.
2) To Retrieve data, type	:	**#get parameters(password)#**	:	where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789). Make sure that the CC..., Bcc... lines and the body of the email message is Blank.

NOTE

1. To activate this feature, change the Fax Parameter No. 158 (**PC Remote Update**) to "**Valid**". (See page 87)

Setting Your Machine

Programming or Retrieving Parameters via Email

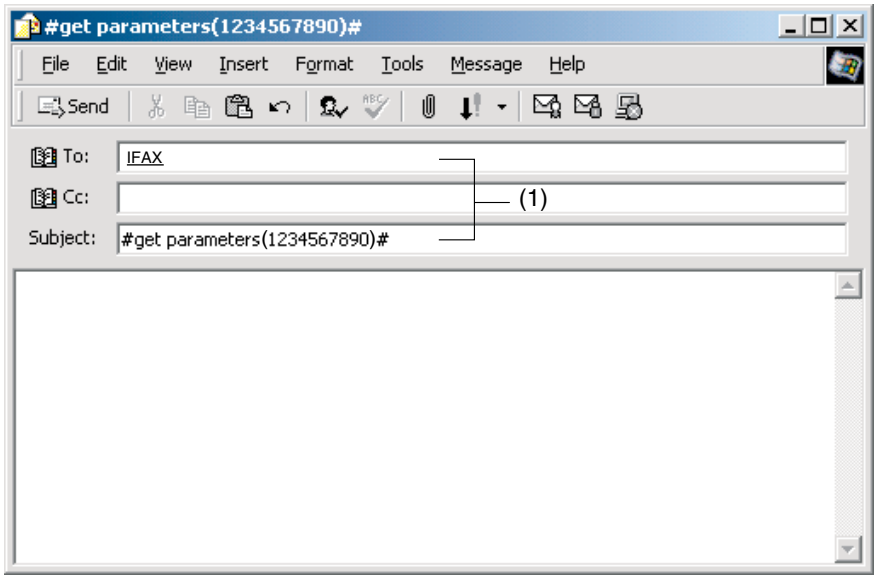
■ To Retrieve Each Parameters

To retrieve the existing parameters, send a plain text email to your machine's email address with the following command in the "Subject" line:

- **#get parameters(password)#** : **To retrieve the Internet Parameters**
- **#get abbr(password)#** : **To retrieve the Auto Dialer**
- **#get jnl(password)#** : **To retrieve the Journal (Transaction Journal)**

: where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).
Make sure that the CC..., Bcc... lines and the body of the email message is Blank.

[Ex: Internet Parameters]



(1) To : Your machine's email address.

From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the Internet Parameters and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Retrieve data, type : #get parameters(password)#
#get abbr(password)#
#get jnl(password)#

Using Email to Retrieve the Journal

The Journal will be sent back to the originating station's email address.

After receiving the journal, use a fixed width font (i.e. Courier), in order to align the received journal's contents on the PC.

■ To Edit the Retrieved or Backup Internet Parameters/Auto Dialer File

After receiving your machine's email with the Internet Parameters and/or Auto Dialer, store the email file as text (.txt) on your PC for backup purposes.

To change or update the Internet Parameters and/or Auto Dialer, type the following command in the "Subject" line of your email and follow the steps below:

- **#set parameters(password)#** : **To store the Internet Parameters**
- **#set abbr(password)#** : **To store the Auto Dialer**

  : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).
  Make sure that the CC..., Bcc... lines and the body of the email message are Blank.

1. Create a New Email Message, fill out the "To" and "From" Address line and the Subject line information for section (1) below:

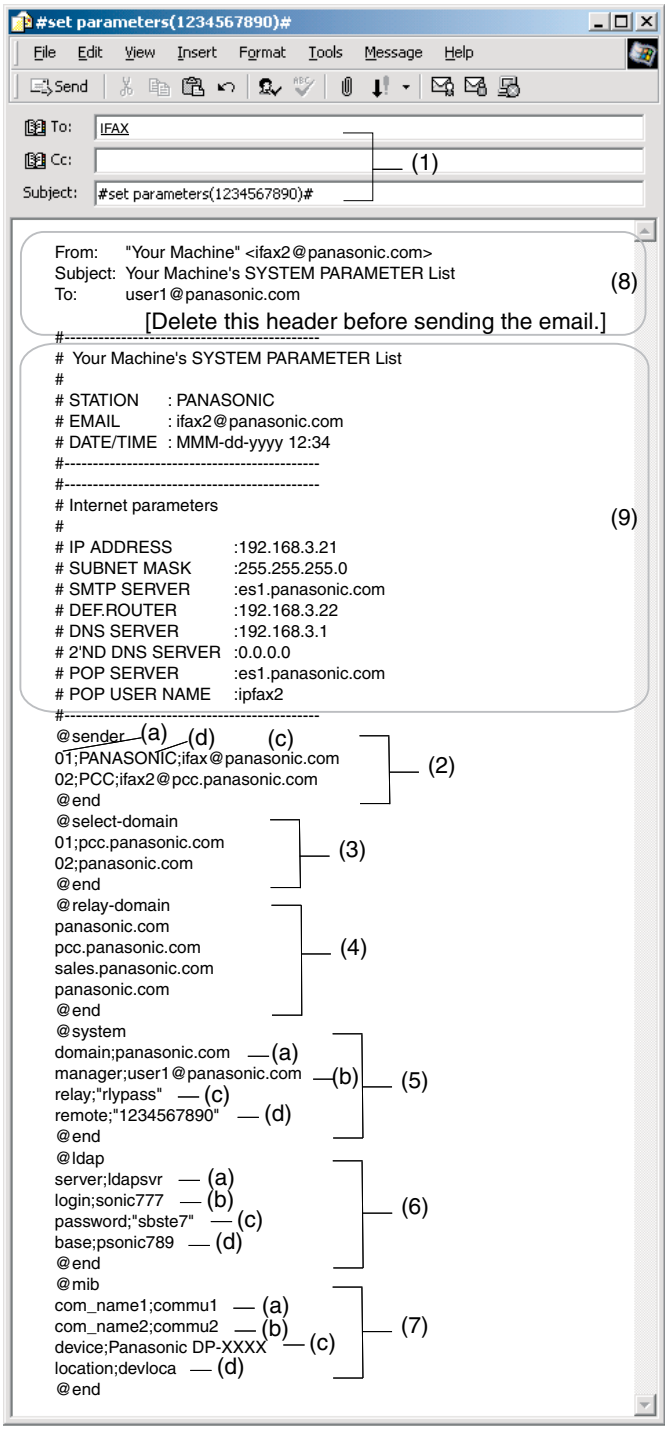
To	:	Your machine's email address.
From	:	This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving each Parameters and for error message notification.
Subject	:	To Store data, type: #set parameters(password)# #set abbr(password)#

2. Open the backup, Internet Parameters and/or Auto Dialer text file. Copy the body text and paste it on the body of the newly created email message.
3. Delete any headers that may be present in the body of the email, as unsupported data will be rejected. The information following the "#" sign is ignored by your machine.
4. Edit a parameter and/or add additional parameters.
5. When finished, use the "File/Save as..." command and save the updated file with ".txt" extension as a backup.
6. Send the email message to your machine to update the Internet Parameters and/or Auto Dialer.

Setting Your Machine

To Edit the Retrieved or Backup Internet Parameters File

Your Machine's Internet Parameters Email Sample



(1) To : Your machine's email address.

From : This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Internet Parameters and for error message notification. (Can be programmed with the configuration tool of your email program.)

Subject : To Store data, type: #set parameters(password)#

(2) @sender to @end : Defines the Sender information to be set in section (2) between @sender to @end block. Edit, Delete or Register up to 24 User Names and their Email Addresses for the Sender Selection feature (see page 54).
Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field.)
The data string for each Sender Selection should be defined within a single line.
The syntax is: <Sender Selection Number>;<User Name>;<Email Address>
(a) 01 to 24: Indicates the Sender Selection Numbers
(b) User Name (25 characters maximum)
(c) Email Address (60 characters maximum)

(3) @select-domain to @end : Defines the Selectable Domains to be set in section (3) between @select-domain to @end block. Register up to 10 alternate Domain Names that can be selected during manual email addressing. (30 characters maximum)
The syntax is: <Number>;<Domain>

(4) @relay-domain to @end : Defines the Domain Names to be set in section (4) between @relay-domain to @end block. Register up to 10 Domain Names that have been authorized to access your machine for Relayed XMT Request. (30 characters maximum)

(5) @system to @end : Defines the Internet Parameters to be set in section (5) between @system to @end block. Register the following Internet Parameters.
(a) Default Domain (50 characters maximum).
The syntax is: domain;<Default domain name>
(b) Manager's Email Address (60 characters maximum).
The syntax is: manager;<Manager's Email Address>
(c) Relay XMT Password (10 characters maximum).
The syntax is: relay;<Relay XMT Password>. Quotation marks " " enclosing the password, required.
(d) Remote Password (10 characters maximum).
The syntax is: remote;<Remote Password>. Quotation marks " " enclosing the password, is required.

(6) @ldap to@end : Defines the LDAP Parameters to be set in section (6) between @ldap to @end block. Register the following Internet Parameters.
(a) LDAP Server Name (60 characters maximum).
The syntax is: server;<LDAP Server Name>
(b) LDAP Login Name (40 characters maximum).
The syntax is: login;<LDAP Login Name>
(c) LDAP Password (10 characters maximum).
The syntax is: password;<LDAP Password>. Quotation marks " " enclosing the password, is required, as shown in the example above.
(d) LDAP Search Base (60 characters maximum).
The syntax is: base;<LDAP Search Base>

(7) @mib to @end : Defines the MIB to be set in section (7) between @mib to @end block. Register the following Internet Parameters.
(a) Community Name(1) (32 characters maximum).
The syntax is: com_name1;<Community Name(1)>
(b) Community Name(2) (32 characters maximum).
The syntax is: com_name2;<Community Name(2)>
(c) Device Name (32 characters maximum).
The syntax is: device;<Device Name>
(d) Device Location (32 characters maximum).
The syntax is: location;<Device Location>

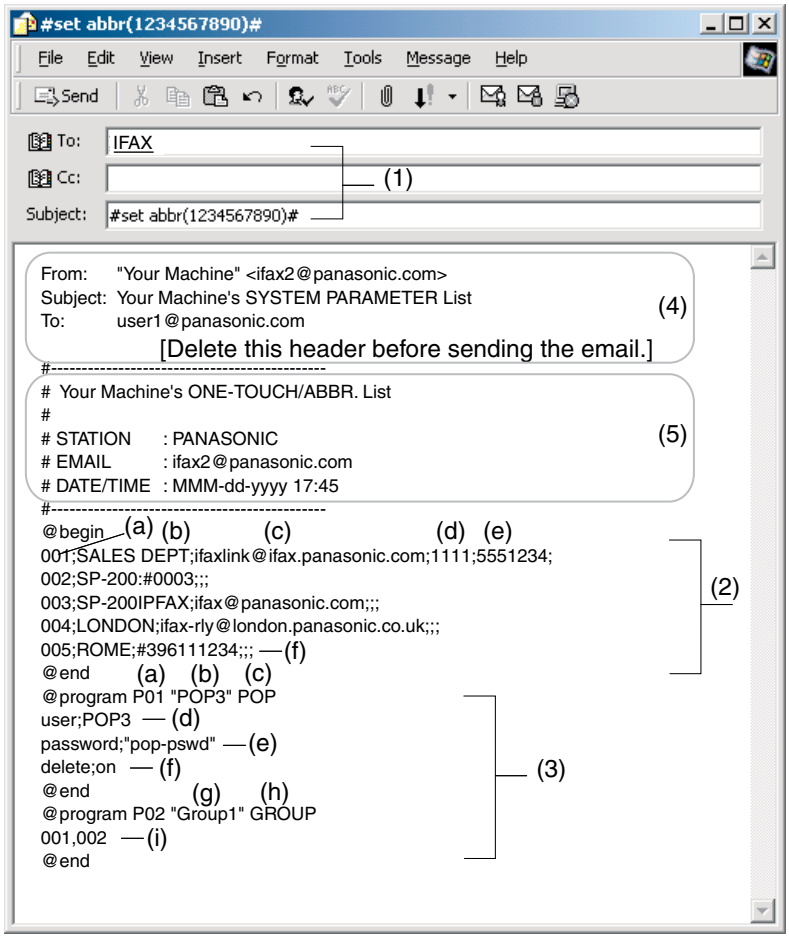
(8) This header must be deleted before the email is sent to your machine for reprogramming of Internet Parameters.

(9) The information following the "#" sign is ignored by your machine, therefore, you can leave it as is, or delete it if you wish.

Setting Your Machine

To Edit the Retrieved or Backup Auto Dialer Data File

Your Machine's Address Book (Auto Dialer) Email Sample



(1) To : Your machine's email address.

From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the Auto Dialer data and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Store data, type: #set abbr(password)#

(2) @begin to @end block : Defines the Auto Dialer to be set in section (2) between @begin to @end block.
Edit, Delete or Register the information.
Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semi-colon (;) for each blank field)
The data string for each station should be defined within a single line.
The syntax is: <Entry-number>;<Station-name>;<Station-address>;
<Routing-subaddress>;<Routing-id-number>

(a) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 200: indicates ABBR. No.s 001 to 200 (200 stations maximum)
(001 to 920: When the SD Media Card Memory is installed)
2001 to 2080: indicates One-Touch numbers from 01 to 80
Program Keys (P1 to P80 common used with the One-Touch keys)
(b) Station-name: Name of the station being programmed (15 alpha-numeric characters maximum)
(c) Station-address: email address or telephone number of the station being programmed
(d) Routing-subaddress: sub-address to be used for routing (20-digit maximum)
(e) Routing-id-number: TSI to be used for routing (20-digit maximum)
(f) The End Receiving Station's telephone number is entered after the hash sign (#).

(3) @program to @end : Defines the Program Keys stored as a Group Key or POP Access Key to be set in section (3) between @program to @end block.
Edit, Delete or Register the information.

(a) Program Key: P01 - P80 (Common used with the One-Touch Keys)
(c) POP: The syntax used to set the Program Key as a POP Access Key.
(d) POP User-name: Name of the POP user account (40 alpha-numeric characters maximum)
(e) POP Password: POP Password (10 alpha-numeric characters maximum)
(f) Set whether the emails on the POP Server are deleted after retrieving the emails.
(g) Station-name as a Group Key: Name of the station being programmed (15 alpha-numeric characters maximum)
(h) GROUP: The syntax used to set the Program Key as a Group Key
(i) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 200: indicates ABBR. No.s 001 to 200 (200 stations maximum)
(001 to 920: When the SD Memory Card is installed)
2001 to 2080: indicates One-Touch numbers from 01 to 80

(4) This header must be deleted before the email is sent to your machine for reprogramming of Auto Dialer.

(5) The information following the "#" sign is ignored by your machine, therefore, you can leave it as is or delete it if you wish.

NOTE

1. The email address and the telephone number cannot be programmed via email when:
   • Auto Dialer Number has been used for communication reservation.
   • Received documents are stored in the image data memory of the machine.
   • While the machine is communicating or printing.
2. When the email address and telephone number are programmed via email, a program result email is sent back.
3. Some email applications automatically insert a line feed in the middle of a line when the number of characters in a line exceed a specific number. Turn "Off" the automatic line feed, or define the number of characters per line to prevent a line feed, or the data will be ignored.

Setting Your Machine

To Edit the Retrieved or Backup Auto Dialer Data File

■ Deleting the Entire Auto Dialer

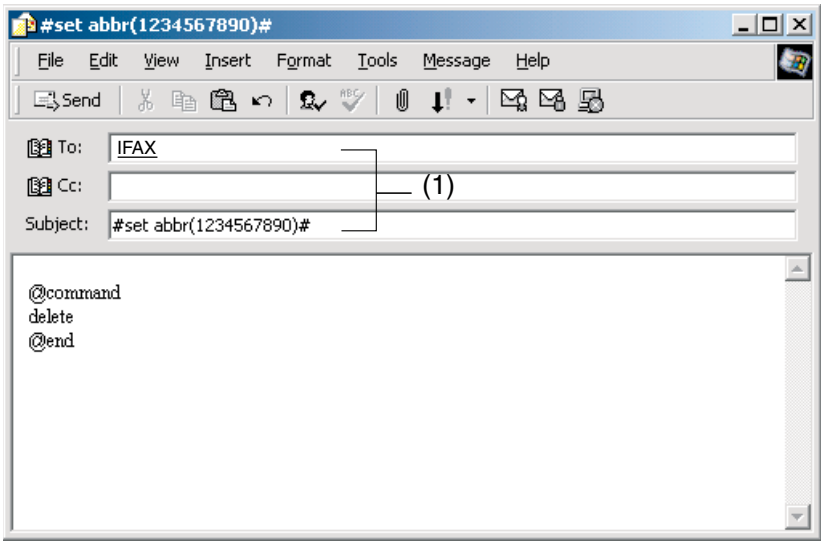
If you wish to delete the entire Auto Dialer data in your machine, type the following command in the body of the email message:

@command
delete
@end

This command can also be inserted before the @begin to @end block, to erase the entire Auto Dialer data first, then reprogram it with new data.
This method will also prevent the "Overwrite Warning Message" that is sent back from your machine, when the current Auto Dialer station is overwritten.

To erase the entire Auto Dialer data, type the following command in the "Subject" line of your email:

#set abbr(password)# : Where the password is the Remote Password programmed in your machine's User Parameters.
Retrieve and backup the existing data onto your PC first by following the procedures for Retrieving and Editing on page 96.



(1) To : Your machine's email address.
From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the Auto dialer data and for error message notification.
(Can be programmed with the configuration tool of your email program.)
Subject : To Delete data, type : #set abbr(password)#

memo

Network Scanner

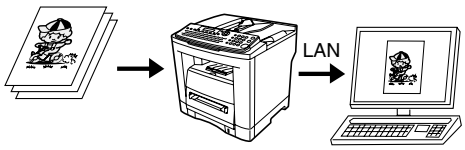
Document Scanning

■ Document Scanning via LAN

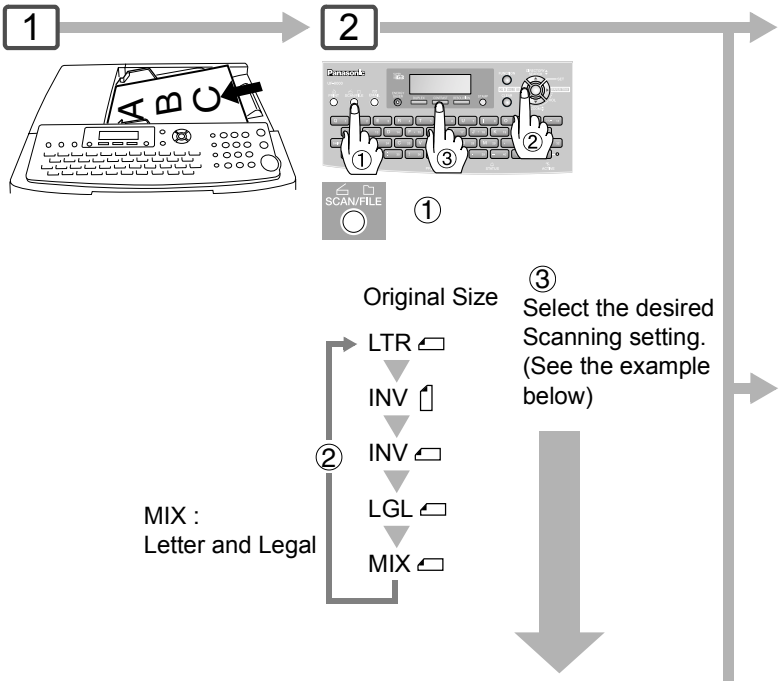
When the Panasonic Document Management System (Panasonic-DMS) is installed and configured on your PC, document(s) can be scanned from your machine to the PC.

Direct Connection
(with Crossover Cable, see page 110)

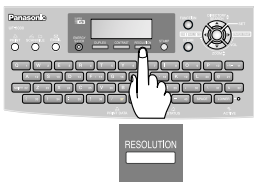
- Document Scanning directly from your machine to your PC using Windows "My Network Places" or "Network Neighborhood".



NOTE:
USB Port is used for printing only, and is not available for local scanning.

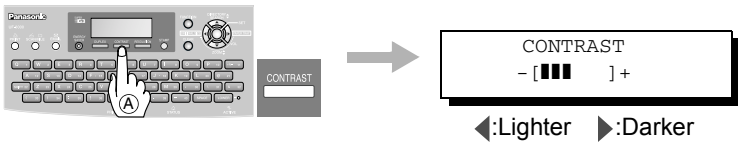


Selecting the Scanning Resolution



150 dpi
300 dpi
600 dpi
Halftone (300 dpi)
Halftone (600 dpi)

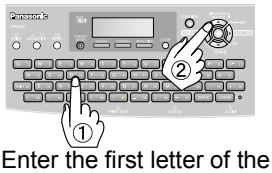
Selecting the scanning contrast



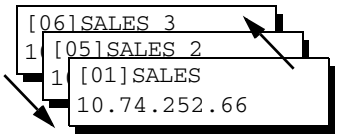
NOTE

1. Auto Dialer (Address Book or One-Touch/ABBR.) is only available when stations are registered (see pages 72 and 74) .

3a Quick Name Search Addressing (See Note 1)
(When Fax Parameter No.119 is set to "2:Quick Name Search", see page 86.)



Enter the first letter of the name you wish to search repeatedly until it is shown on the LCD display.
Ex. "S"



(See Note 3)

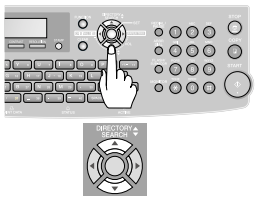
3b One-Touch/ABBR. Addressing (See Note 1)
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

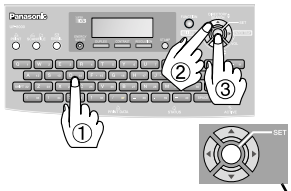
Select One-Touch.

or

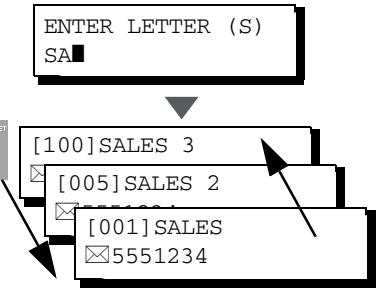
ABBR DIAL + ABBR No. (01-20)

3c Directory Search Addressing (see Note 1)



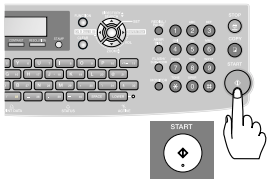


Enter a letter(s) of a name you wish to search.
Ex: "SA"



(See Note 3)

4



The document(s) is stored into memory with a file number. Then starts sending the document(s).

Network Scanner

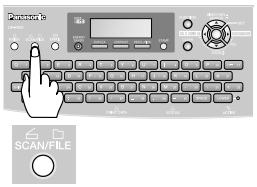
NOTE

2. If the PC's IP Address is not shown on the LCD of your machine, register the PC's IP Address using your machine's Control Panel (see page 102).
3. You can search for another name starting with the same character by scrolling with the Cursor Keys (▲/▼).

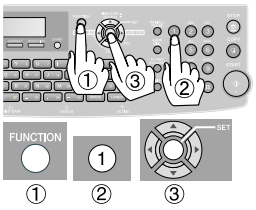
■ Adding your PC's IP Address

If the Scanner Configuration is not set with the Panasonic Communications Utility of Panasonic-DMS software (refer to Panasonic-DMS CD), input your PC's IP Addresses using the machine's Keypad.

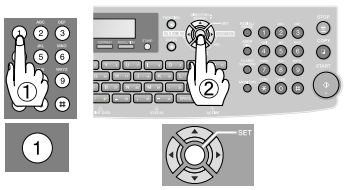
1



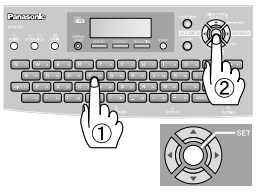
2



3



6



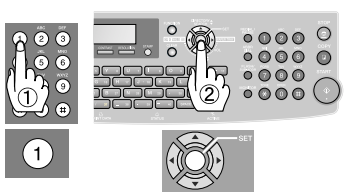
```
STATION NAME    <13↑>
SALES
```

(Max. 40 characters)

When inputting a special character, press the +%... 11 key and use the ▲/▼ Cursor Keys to the desired character.
When changing the stored character, move the cursor (▮) back to the character and press CLEAR key, then input a new character.

7

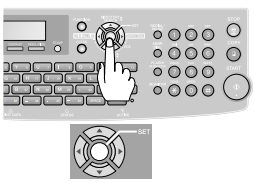
```
DESTINATION : PC
1:PC 2:FTP
```



FTP:Consult with your network administrator.

8

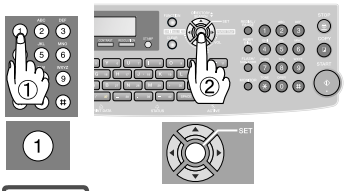
```
PORT NUMBER
6509
```



4a-1

For QUICK NAME SEARCH
(When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

```
ADDRES BOOK (1-3)
ENTER NO. OR ∨ ∧
```



1

4b-1

For ONE-TOUCH/ABBR. NO.
(When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

```
1:ONE-TOUCH
2:ABBR NO.
```

For ONE-TOUCH

```
ONE-TOUCH <    >
PRESS ONE-TCH OR ∨ ∧
```

For ABBR No.

```
ABBR [▮ ]
ENTER NO. OR ∨ ∧
```

ABBR DIAL + ABBR No. (01 - 20)

5

```
IP ADDRESS
▮
```

6

0-9, *

ex. 10.74.252.66
1➞0➞*➞7➞4➞*➞2
➞5➞2➞*➞6➞6

When changing a number, move the cursor (▮) over the number you wish to change and overwrite it with a New number.

NOTE:
When using One-Touch/ABBR. number, the station number is indicated on the LCD.

9

STOP

(2 times)

To return to standby.

■ Editing/ Erasing your PC's IP Address

If you have to change or erase any of the Address Book stations, follow the steps below.

For ONE-TOUCH/ABBR. NO. (When Fax Parameter No. 119 is set to "1:One-Touch", see page 86.)

1

Select a station.
Follow the same procedures as Steps 1 to 4b-1 in page 102, 103, "Adding your PC's IP Address"

For ONE-TOUCH

```
ONE-TOUCH <    >
PRESS ONE-TCH OR ∨ ∧
```

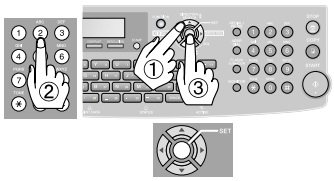
For ABBR No.

```
ABBR [▮ ]
ENTER NO. OR ∨ ∧
```

ABBR No.
(01-20)

2 **For Editing**

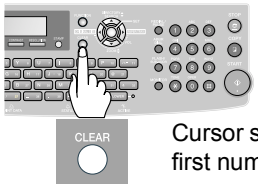
```
IP ADDRESS      <13↑>
10.74.252.xxx
```



When changing a number, move the cursor (▮) over the number you wish to change and overwrite it with a New number.

2 **For Erasing**

```
IP ADDRESS      <13↑>
10.74.252.xxx
```



Cursor should be positioned to first number of IP address.

For QUICK NAME SEARCH (When Fax Parameter No. 119 is set to "2:Quick Name Search", see page 86.)

1

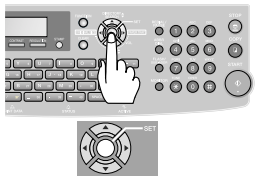
Follow the same procedures as Steps 1 to 3 in page 102, 103, "Adding your PC's IP Address"

```
ADDRES BOOK     (1-3)
ENTER NO. OR ∨ ∧
```

② for Editing Station
or
③ for Erasing Station

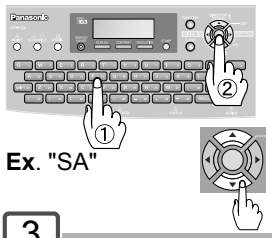
2 **For Editing**

```
2:MODIFY STATION?
PRESS SET TO SELECT
```



3

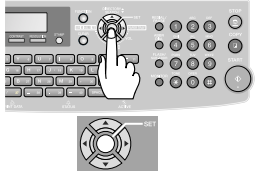
```
MODIFY STATION
ENTER LETTER(S)
```



Ex. "SA"

2 **For Erasing**

```
3:DELETE STATION?
PRESS SET TO SELECT
```



3

```
DELETE STATION
ENTER LETTER(S)
```

Ex. "SA"

3

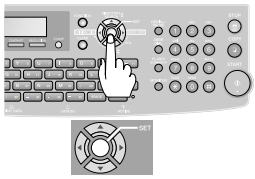
Enter a new Station

```
STATION NAME    <13↑>
SALES 01
```

(Max. 40 characters)

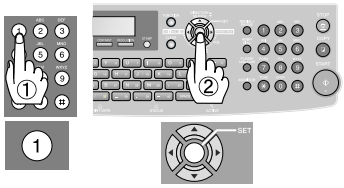
3

```
IP ADDRESS      <13↑>
_
```



4

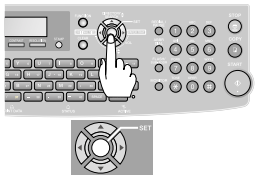
```
DESTINATION : PC
1:PC 2:FTP
```



FTP: Consult with your network administrator.

5

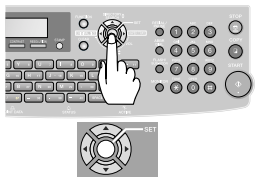
```
PORT NUMBER
6509
```



NOTE:

[03] or <13↑> is not indicated when registering with the Quick Name Search.

4

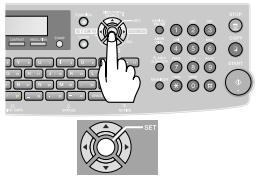


5

Same steps as (For Editing) above

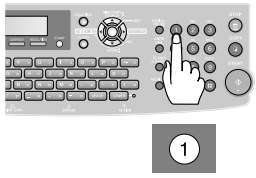
4

```
SALES 01
10.74.252.xxx
```



5

```
SALES 01
DELETE 1:YES 2:NO
```



6

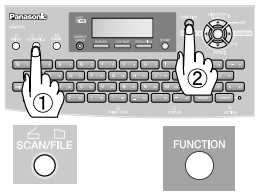
Same steps as (For Erasing) above

Network Scanner

Function

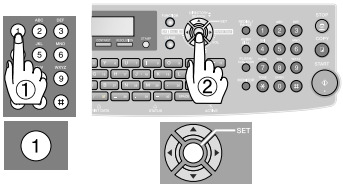
■ Setting the Scan Parameters

1



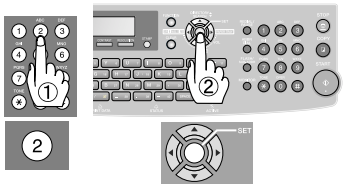
2

```
FUNCTION        (1-2)
ENTER NO. OR ∨ ∧
```



3

```
SET MODE        (1-2)
ENTER NO. OR ∨ ∧
```



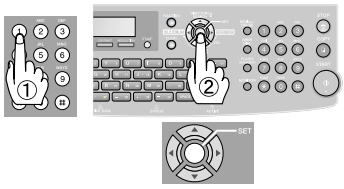
5a

Select the desired Function Parameter and then select a setting and press [SET].

5b-1

When select the Key Operator Mode:

```
09 KEY OPERATOR MODE
ENTER PASSWORD=■■■
```



Input the key Operator Password (3-digit)

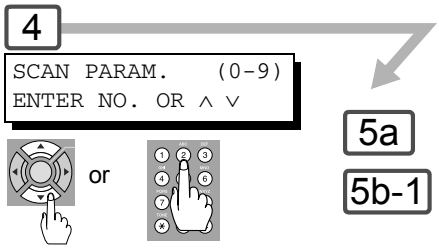
5b-2

Select the desired Scan Parameter then select a setting and press [SET].

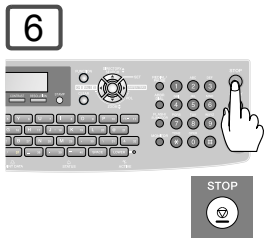
See the Precaution section in Operating Instructions (For Facsimile and Copy Functions).

■ Scanner Settings (Scan Parameters)

No.	Modes	Function	Initial Setting
00	SCANNER SETTINGS	Prints the scanner settings. PRESS SET TO PRINT	
02	COMPRESSION MODE	Sets the default compression mode setting. 1:MH / 2:MR / 3:MMR / 4:JBIG	4:JBIG
03	RESOLUTION	Sets the default resolution setting. 1:150dpi 2:300dpi 3:600dpi 4:Halftone (300dpi) 5:Halftone (600dpi)	2:300dpi
05	FILE TYPE/NAME	Selects the default transmission file format. 1:TIFF / 2:PDF	1:TIFF
07	ORIGINAL SIZE	Selects the default original size setting. MIX-R / LTR-R / INV / INV-R / LGL (LTR: Letter, INV: Invoice, LGL: Legal, MIX: Letter and Legal) Press [SET] and [▼] or [▲] to select the original size.	LTR-R
09	KEY OPERATOR MODE	Input the key operator password.	



(1 digit)



(2 times)

To return to standby.

■ Scanner Settings (Scan Parameters) (For key Operators)

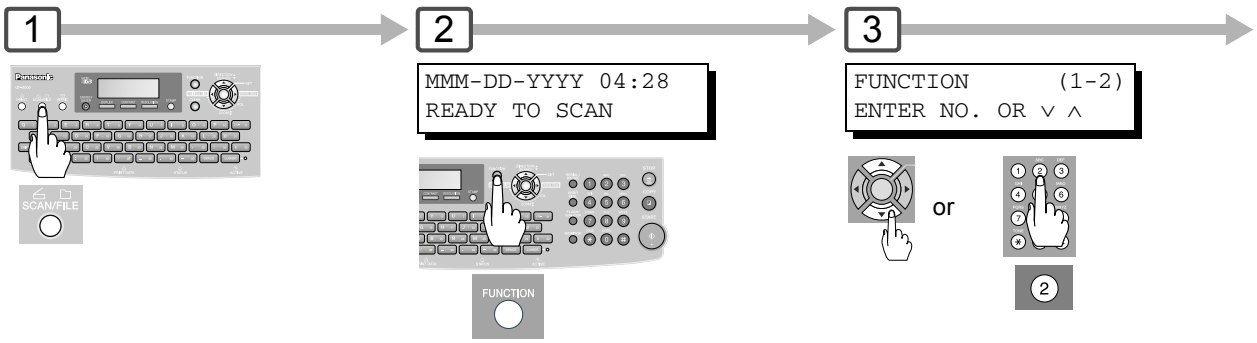
No.	Modes	Function	Initial Setting
01	ABBR GROUP ID	Selects the ABBR. Group ID settings. 0-99	0

Network Scanner

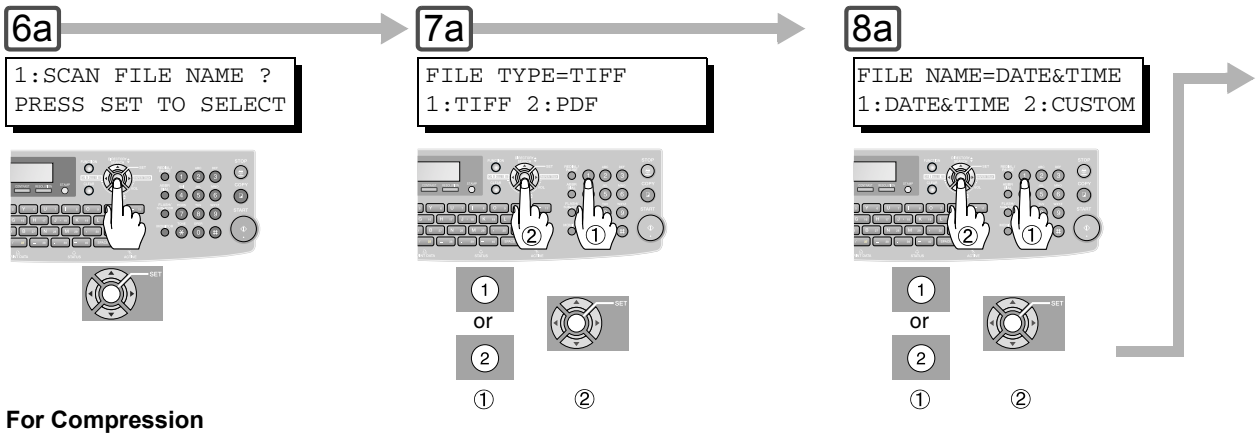
Function

■ Select Mode

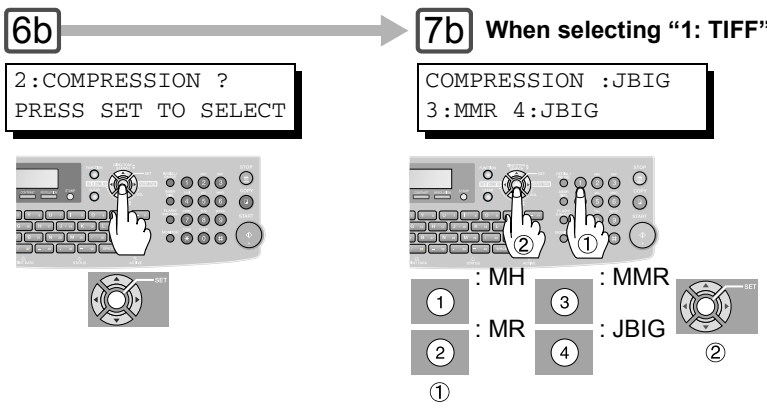
You can temporarily add the file name or select the compression format when scanning document(s). The parameters are returned to the preset position when the scanning is finished. To change the default settings, set the Scan Parameter No. 2 (Compression Mode) and No. 5 (File Type/Name). (See page 106)



For Scan File Name

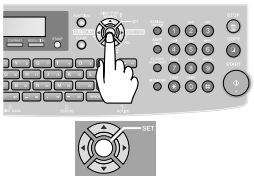


For Compression



4

```
2:SELECT MODE ?
PRESS SET TO SELECT
```

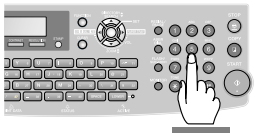


5

```
SELECT MODE     (1-2)
ENTER NO. OR ∨ ∧
```

6a

6b



① : Scan File Name

or

② : Compression

(When Custom is Selected)

```
SCAN FILE NAME
ENTER NAME
```

(Up to 40 characters)

To correct a mistake, use ◀ or ▶ to move the cursor to the right side of the incorrect character, press CLEAR then reenter the new character.

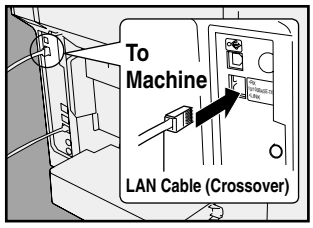
Network Scanner

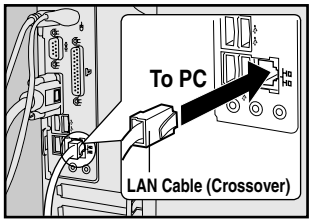
Direct Connection (with Crossover Cable)

■ Direct Connection (with Crossover Cable)

1 Turn OFF the Power Switch (Machine and PC).

2 Connect a Crossover LAN Cable between your machine and the PC.





(Back Side of Machine)
NOTE: Do not use Standard LAN Cable.

5 Turn OFF/ON the Power Switch (Machine and PC).

6 Input your PC's IP Address into the Address Book in the machine (see page 102).

7 Scan the document(s) to your PC (see page 100).

3 → 4 → 5

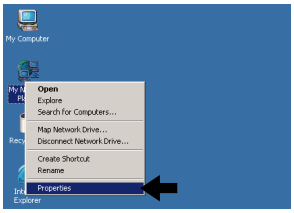
Turn ON the Power Switch (Machine and PC).

Input the Network Address (Machine and your PC).

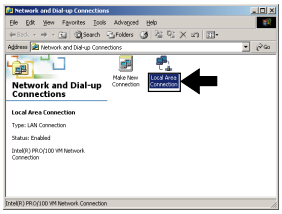
- IP and Subnet Mask
  IP: 192.168.0.1 (Machine)
  192.168.0.2 (your PC)
  Subnet Mask: 255.255.255.0
  (Machine and your PC)
- How to input the network address:
  For your Machine: See page 30
  For your PC: See below

For more detailed information, refer to Windows OS operating instructions manual.

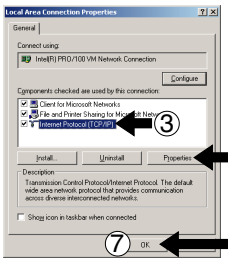
For Windows 2000



① Right click "My Network Places" and select "Properties".



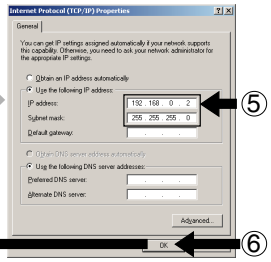
② Right click "Local Area Connection" and select "Properties".



③ Select "Internet Protocol (TCP/ IP)".

④ Click "Properties".

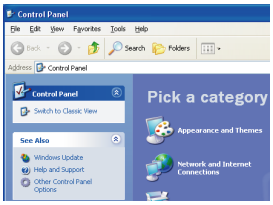
⑦ Click "OK".



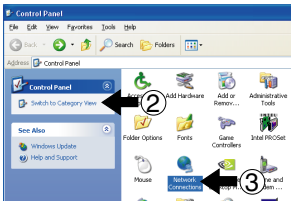
⑤ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.

⑥ Click "OK".

For Windows XP

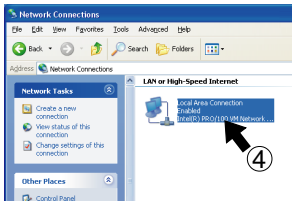


① Open the Control Panel.



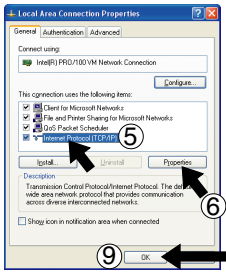
② Select "Switch to Classic View", if using the Category View Mode.

③ Select "Network Connections".



④ Right click "Local Area Connection Enabled ....." and select "Properties".

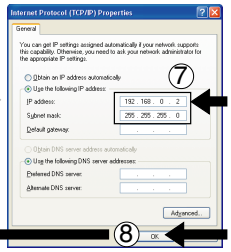
⑤



⑤ Select "Internet Protocol (TCP/ IP)".

⑥ Click "Properties".

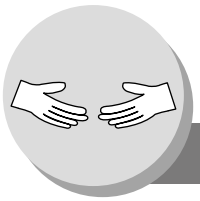
⑨ Click "CLOSE".



⑦ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.

⑧ Click "OK".

"OK" will be changed to "CLOSE".



Problem Solving

Troubleshooting

If You Have Any of These Problems

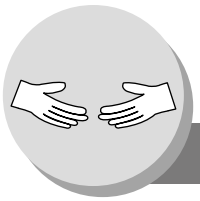
Mode	Symptom	Possible Cause / Action	Page
During Transmission	Document doesn't feed/multiple feed	1. Check that your document is free of staples and paper clips, and that it is not greasy or torn. 2. Check that your document is the right type to send through an ADF by consulting. For more details see Operating Instructions (For Facsimile and Copy Functions) 3. Check that the document is loaded properly.	---
	Does not stamp	Check Fax Parameter No. 4 and No. 28 settings.	84 85
	Stamp too light	Replace stamp or refill ink. (See Operating Instructions (For Facsimile and Copy Functions))	---
Transmitted Document Quality	Vertical lines on the transmitted document	Check own copy quality. If copy is OK, your machine has no problem, report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area.	---
	Transmitted document is blank		
During Reception	No recording paper	Replenish the recording paper.	---
	Recording paper misfed	Remove the misfed paper. (See Operating Instructions (For Facsimile and Copy Functions))	---
	Recording paper doesn't feed into machine	Make sure that there is paper in the Paper Cassette. Follow the instructions for loading paper.	---
	Recording paper doesn't eject after printing	Check to see if the recording paper is jammed inside of the machine.	---
	Out of toner	Replace the Toner Cartridge.	---
No Machine Operation	No machine operation	To reset the machine, turn "Off" the Power Switch for a few seconds then turn it "On" again.	16

Information Code

When an anomaly occurs, the display may show one of the Information Codes listed below. These will help you to identify and correct the problem.

Info. Code	Meaning	Possible Action	Page
030	Document is misfeeding.	1. Reload the document properly. 2. Remove the document jam. 3. Adjust Original Guide.	--
031	Document is too long or jammed. Document length exceeds 39.4 inches (1 meter) in "Normal" and "Fine" mode only. The length limitation for "Super Fine" and "600 dpi" mode, is subject to the available Memory size. 600dpi Max. Length is 24 inches (600 mm)	1. Reload the document properly. 2. Remove the document jam. 3. Use proper size document(s).	--
061	ADF Cover is open.	Close the ADF Cover.	--
400	During initial handshake, receiving station did not respond or communication error occurred.	1. Check with the other party. 2. Reload the document and send again.	--
402	During initial handshake, communication error occurred.	Reload the document and send again.	--
403	No polling capability at the remote side.	Ask remote side to set "POLLED=ON".	--
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
406	Transmission Password does not match. Receiving Password does not match. Received from an unauthorized station in Selective Reception mode.	Check the password or the telephone number in One-Touch or Abbreviated station.	--
407	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.	--
408/409	Remote side confirmation of previous page is illegible.	Wait a few minutes and send again.	--
410	Communication aborted by the transmitting side.	Check with the other party.	--
416/417/ 418/419	Received data has too many errors.	Check with the other party.	--
422/427	Interface is incompatible.	Check with the other party.	--
430/434	Communication error occurred while receiving.	Check with the other party.	--
436/490	Received data has too many errors.	Check with the other party.	--
456	• Machine received a confidential document or was requested to be polled of a confidential document under any of following conditions. 1. Not enough space in memory to receive the confidential document. 2. Confidential Mailbox is full. 3. While printing received document. • Machine was requested to relay a document.	1. Print a File List and check the contents. 2. Wait until machine finishes printing.	--
638	Power failure occurred during the communication.	Check the power cord and plug.	--
711	Incorrect LDAP settings.	Check the LDAP Server Name, LDAP Log in Name, LDAP password, LDAP Search Base.	28 29

Continued on the next page...



Problem Solving

Information Code

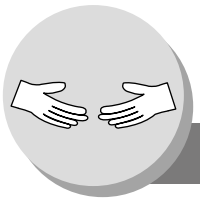
Info. Code	Meaning	Possible Action	Page
712	Incorrect Email Address.	Check the email address and send again. Check the IP Address of the SMTP Server with the Network Administrator.	--
714	Cannot Log on to the LAN.	Check the 10Base-T/100Base-TX cable connection. An unexpected LAN problem occurred. Contact the Network Administrator.	--
715	TCP/IP connection timed out.	Check the Internet Fax Parameter settings. Verify the IP Address, Default Gateway IP Address, SMTP Server IP Address.	--
716	Cannot logon to the designated SMTP Server.	Check the SMTP Server IP Address setting. Contact the Network Administrator.	--
717	Incomplete SMTP Protocol transmission. SMTP Server's hard disk may be full.	SMTP Server is defective. Contact the Network Administrator.	--
718	Page Memory Overflow occurred while receiving printing data. The paper size selected within your application to print is larger than the paper size loaded in the Paper Trays.	Check the document size and resolution. Ask originator to resend in a supported size and resolution.	--
719	Received data via LAN is in a format that is not supported.	Ask the originator to resend with a supported file attachment format: * In a TIFF format. * Image data equivalent to recording paper size.	--
720	Cannot connect to the POP Server (Incorrect POP Server IP Address) POP Server is down.	Check the POP Server IP Address. Contact the Network Administrator.	--
721	Cannot connect to the POP Server. (User Name or Password error)	Check the POP User Name and Password or the APOP settings. Contact the Network Administrator.	--
722	Failed to obtain IP address from the DHCP Server.	Check the 10Base-T/100Base-TX cable connection. Confirm that the Internet Parameter and the DHCP Server are correctly configured before turning On or turning Off the power. Contact the Network Administrator.	16
725	DNS Server connection timed out. DNS Server is down.	Check the DNS Server IP Address. Contact the Network Administrator.	--
726	Received an error response from the DNS Server.	Check the POP Server Name. Check the SMTP Server Name.	--
728	The document was sent to the Internet Fax in an incompatible file format (PDF). TIFF file format is required for Internet Fax. **Note:** PDF file format is only used when using the Scan-to-Email feature.	Change the Fax Parameter No. 177 (**XMT File Type**) to "**TIFF**".	88
729	Failed to authenticate (SMTP Authenticaton) when connecting with the SMTP Server.	Check the SMTP Authentication. User Name and Password. Contact the Network Administrator.	28 88

Information Code

Info. Code	Meaning	Possible Action	Page
730	Cannot retrieve the Journal nor program list for the Internet Parameters and the Auto Dialer via email from a PC.	Check that the Fax Parameter No. 158 (**PC Remote Update**) is set to "**Valid**".	87
731	The dialer buffer for manual dialing was full (50 stations) when the Relay Transmission Request was received.	Request the originator to resend the Relay Transmission Request after the reserved communication is finished.	--
800/814/ 816/825	Machine was requested to relay a document or Confidential Communication from non-compatible systems.	Check with the other party.	--
870	Memory overflow occurred while storing documents into memory for transmissions.	1. Transmit documents without storing them into memory first. Use Direct Transmission when using G3 Fax Communication. 2. Install Optional Memory (SD Memory Card).	--
871	Overflow of the file management area occurred.	Wait until machine finishes printing or sending the documents.	--

NOTE

1. After identifying the problem and taking the recommended action, if the information Codes keep reoccuring or Information Codes that appear on your machine are not listed above, please contact your local Panasonic Authorized Dealer.
   For mechanical failures, see the Troubleshooting section in the Operating Instructions (For Facsimile and Copy Functions)



Problem Solving

Error Message

■ Error Message Sent to the Sender

Error messages that are emailed from your machine to the original sender during remote programming of the Auto Dialer via email.

	Error Message	Possible Cause / Action
1	554 Data Transfer Error (broken Header)	The header or sub header decoding is being processed while the message finished, try again.
2	554 Data Transfer Error (broken Data)	Multiple contents are present and being processed while the message finished, try again.
3	554 Data Transfer Error (FAX module)	Data transfer error occurred in the FAX module while communicating with the LAN module, try again.
4	554 MIME attachment not supported (message/file)	MIME attachment is not supported during this operation, resend using plain text in the message body only.
5	554 MIME format not supported	MIME file type is not supported, resend using plain text in the message body only.
6	554 G3 Relay permission denied	The requested domain for Relayed Transmission is not registered.
7	554 Relay Address unknown	The telephone number of end receiving station for the Relayed Transmission is unknown.
8	554 Memory Full (FAX module)	FAX Memory is full, try again later.
9	554 Data Transfer Error	Other errors not listed above, try again later.

Error Message

■ Internet Fax Return Receipt Error Messages

Error messages that are printed on the Internet Fax Return Receipt when remote programming of the Auto Dialer via Email fails.

	Error Message	Possible Cause / Action
1	Format Error : <@command block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@command" block, add the "@end" command and try again.
2	Format Error: <@begin block, the "@begin" command is missing.>	The block start command "@begin" is missing in the "@begin" block, add the "@begin" command and try again.
3	Format Error : <@begin block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@begin" block, add the "@end" command and try again.
4	Format Error : <@system block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@system" block, add the "@end" command and try again.
5	Format Error : <@sender block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@sender" block, add the "@end" command and try again.
6	Format Error:<@domain block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@domain" block, add the "@end" command and try again.
7	Format Error : <@program block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@program" block, add the "@end" command and try again.
8	Format Error:<@system block, the "@system" command is missing.>	The system block start command "@system" is missing in the "@system" block, add the "@system" command and try again.
9	Permission denied : <054 Fax Forward parameter is set to "Valid".>	Set the Fax Forward parameter to "Invalid". (See page 85)
10	Permission denied : <Fax machine is busy performing a task.>	Try again later when the machine is not busy.
11	Error : <Programmed ABBR overwrite prohibited. Use open ABBR only.>	Cannot overwrite existing programmed data, use the "Delete" command to erase the existing data first.
12	Permission denied : <Password is incorrect.>	Correct the password and try again.
13	Permission denied : <158 PC Remote Dialer Update parameter is set to "Invalid".>	Set the PC Remote Update parameter to "Valid". (See page 87)
14	Format Error : <error line>	The format of the Entry is incorrect / incomplete or the data string for each station is not defined within a single line.
15	Warning : <error line>	The format of the Entry is incorrect or the number of characters entered, exceed the maximum allowed in the field. Correct it and try again.
16	Warning : Field limit exceeded<error line>	The maximum number of Station Name, Domain Name, Sender Name, Program Name, etc. were exceeded.

Appendix

Specifications

For Email (Internet Fax)

Standard Compliance	10BASE-T Ethernet (IEEE 802.3), 100BASE-TX Fast Ethernet (IEEE802.3u)
Connector Interfaces	10/100 BASE-TX port: RJ-45
Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME
File Format	TIFF [IETF RFC 2301 Profile S, F, J] PDF (Transmission only)
Email Receiving Width	Maximum : Letter/A4 size

Network Scanner (Standard)

Scanning Type:	Contact Image Sensor
Resolution (dpi):	Standard : 150 dpi Fine : 300 dpi Super-Fine : 600 dpi
Max Scanning Area (ADF):	8.5 x 14 inches (216 x 356 mm)
Duplex Scan:	No
Compression Format:	MH, MR, MMR, JBIG
File Format:	Multi page TIFF, PDF
Send to Station (PC):	Yes (Single Address only)
Send to Station (FTP):	Yes (Single Address only)
Send to Station (Printer):	Not Available
Pop up Notification:	Yes
Protocol:	LPR, TCP/IP
Applicable OS:	Windows 98 / Me / NT 4.0 / 2000 / XP

Appendix

Glossary

10BASE-T/100BASE-TX	An Ethernet standard for cable. The 10/100 refers to its 10/100 Mbps bandwidth, the base to single channel baseband, and the T to the Twisted pair. The cable uses two pairs of unshielded twisted wires.
ADF (Automatic Document Feeder)	The mechanism that delivers a stack of document pages to the scanner one page at a time.
Character ID	A programmed proprietary code name that allows up to 16 alphanumeric characters identifying your machine.
Character Keys	The keys that are used to enter letters and symbols for various programming functions.
Client	Clients are computers that run software programs used to contact and obtain data from Server software program on another computer, often across a great distance.
Coding Scheme	The data compression method used by facsimile machines. Your machine utilizes Modified Huffman (MH), Modified Read (MR), Modified Modified Read (MMR) and Joint Bi-level Image Experts Group (JBIG) coding schemes.
Comm. Journal	Refers to either the Communication Journal (Comm. Journal), or Relay Transmission Report.
Contrast	Signifies the scanning sensitivity in terms of lightness and darkness of your original transmitting pages.
Default Gateway IP Address	This is your Gateway's Address, it is used by other Networks to determine which route to take when communicating with your machine.
Delivery Notice	Delivery Notice is a Message Disposition Notification (MDN) request initiated by the sending Internet Fax to the destination Internet Fax. The receiving Internet Fax replies with a delivery processing confirmation after the message (email) was read.
Department Code	This operation require the user to input a preset 4-digit Department Code before transmission. The Department Name of selected Department Code is printed on the Header of each page sent, Cover Sheet, Comm. Journal and Individual Transmission Journal.
Direct SMTP	Allows Internet Fax machines to communicate directly with each other within the Firewall (Intranet) without going through the Mail Server, thus alleviating the burden on the Mail Server.
Directory Search Dialing	Allows you to dial a full telephone number or email address by searching the station's name entered in the Address Book.
Directory Sheet	The list that contains the station names that are programmed into your machine.
DNS (Domain Name System)	The purpose of the DNS is to store records containing domain information, such as Fully Qualified Domain Names (FQDN) and translate them to TCP/IP addresses.
Domain Name	A unique name that identifies an Internet site. Domain Names always have 2 or more parts, separated by dots. The part on the left is the most specific, and the part on the right is the most general.

Continued on the next page...

Appendix

Glossary

Duplex Scan	The ability to scan both sides of 2-sided original(s) for transmission.
Email Address	The address for sending and receiving data by email. It consists of User name, Sub-domain name and Domain name.
End Receiving Station	In a relay network, the final station designated to receive the document.
Ethernet	A very common method of networking computers and equipment in a LAN. Ethernet can handle up to 100 Mbps and can be used with almost any kind of computer.
Fax Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.
File	A task that has been stored into the memory of your machine. Examples are deferred transactions.
Function	The control panel key that will be utilized to begin an operation or configuration of a feature.
Group Dialing	The ability to program many and/or email addresses into a single station so that many locations can be dialed in sequence utilizing a single keystroke.
Home Page	The page that your Browser displays when it starts up or the main web page for a business, organization, etc.
Host	Any computer on a network that is a repository for services available to other computers on the network. A Host must have a unique Host Name within a domain. The host is the first (left most) section of the Fully Qualified Domain Name (FQDN). The remainder of the FQDN is the domain and often tells you something about where your machine is located (i.e., at Panasonic). **Example:** Your machine's email address is: Fax@fax01.panasonic.com In the example above "fax01" is the host and "panasonic.com" is the domain.
ID	A programmable address of up to 20 digits identifying your machine.
Image Memory Capacity	This signifies the amount of memory available in your machine capable of storing pages of documents. All page units of measure are based on the ITU-T Image No.1.
Index Keys	A series of alphabetized keys for easy access to the stations programmed in the Auto Dialer.
Information Code	A code that is internally generated by your machine stating a specific operational error or machine failure.
Initial Sending Station	In a relay network, the station that is originating the document transmission.
Internet	The vast collection of inter-connected networks that all use the TCP/IP protocols. The Internet connects independent networks into a vast global internet.
Intranet	A private network inside a company or organization that uses the same kinds of software that you would find on the public Internet, but that is only for internal use.
IP Address	A unique number used to identify equipment or host computers on the Internet.

ISP (Internet Service Provider)	An institution that provides access to the Internet in some form, usually for money.
Journal	A report that is printed by your machine listing the last 200 transactions.
Key Name	An alternate to the station name that can be programmed for each Auto Dialer dialing key. (By default it displays the first 15 characters of the station Name)
Keypad	A group of numeric keys located on your control panel.
LAN (Local Area Network)	A computer network system and printer limited to an immediate area, such as an Office, Factory, and University used to integrate and exchange data.
LCD	Liquid Crystal Display. The display area of your machine.
LDAP	Lightweight Directory Access Protocol (LDAP) is a directory service protocol that runs over TCP/IP.
MAC Address	Its the hardware address, often referred to as MAC (Media Access Control) address that is assigned to the equipment. MAC address is hard-coded and is not configurable. The MAC address consists of 6 hexadecimal numbers separated by colons. **Example:** 00:00:c0:34:f1:50
Mail Gateway IP Address	The Address of the Mail Server. The Internet Fax communicates with your existing Mail Server for all communication traffic.
Mailing List	A system that allows people to send an email to one address, whereupon their message is conveyed to multiple subscribers on the Mailing List.
Manual Reception	A mode that requires operator intervention to receive an incoming document.
MAPI	Acronym for Message Application Programming Interface. A standard Windows interface for messaging that enables different mail programs and other mail-aware applications like word processors and spreadsheets to exchange messages and attachments with each other.
MDN	This Message Disposition Notification (MDN) is requested by the sender for a delivery processing confirmation indicating that the message (email) was read.
MIME (Multipurpose Internet Mail Extension)	A standard used for attaching non-text (image) files to Internet email messages.
Multi-station Transmission	The ability to broadcast the same set of documents to a programmed number of locations.
Multiple Logo	The user can select one of 25 preset LOGOs before a transmission.
Network	Any time you connect 2 or more computers together so that they can share resources, you have a computer network. Connect 2 or more networks together and you have an internet.
Network Address	An individual 4-digit addressing number assigned to an Auto Dialer station that identifies a particular station in a relay network.
Network Password	A 4-digit password assigned to a network address to prevent unauthorized stations from accessing a relay station.

Continued on the next page...

Appendix

Glossary

One Touch	The ability to store full email addresses into the dialer and then utilizing a single keystroke to speed dial that email address in the future.
One Touch Dialing	The ability to dial an entire email address by pressing one key.
PDF	Adobe® Portable Document Format (PDF) is a universal file format that preserves all the fonts, formatting, graphics, and color of any source document, regardless of the application and platform used to create it.
Photo	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 256 levels of gray in photo mode.
POP (Post Office Protocol)	POP refers to the way email software such as Eudora or your machine gets email from a Mail Server. You must always have a POP account that you tell your email software to use to retrieve your mail.
Program Keys	Keys that are defined for storing a sequence of stations to be dialed or polled.
Protocol	A protocol is the special set of rules for communicating that the end points in a telecommunication connection use when they send signals back and forth. Both end points must recognize and observe the protocol.
PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
QWERTY Keyboard	A keyboard on the Control Panel that is used to enter letters and symbols for various programming functions.
Relay Address	A 3-digit code that identifies your machine is programmed in a relay network.
Relay Network	A group of facsimile machines that communicate via a relay station.
Relay Station	A certain type of facsimile machine that can store and forward documents to an end receiving station and/or a relay station in another relay network.
Relay Transmission Report	A report that contains information regarding the last relayed transmission.
Relayed Transmission	Sending a document to a relay station, which in turn, sends the document to the end receiving station.
Resolution	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.
Router (Gateway)	A special purpose computer (or software package) that handles the connection between 2 or more networks. Gateways act like traffic cops, they spend their time looking at the destination addresses of the packets passing through them and deciding which route to send them on.
Server	A computer, or a software package, that provides a specific kind of service to client software running on other computers. A single server machine could have several different server software packages running on it, thus providing many different servers to clients on the network.

Sleep Mode	The lowest power state that the machine enters after the specified time without actually turning Off.
SMTP (Simple Mail Transfer Protocol)	This is the main communication protocol used to send and receive email on the Internet.
Station Name	Alphanumeric ID which can be programmed for each email address location in the Auto Dialer.
Stored Documents	Documents that have been scanned and now are stored in your machine's memory.
Subnet Mask	A mask bit used to manage sub-segments of the network which is defined with network IDs.
Substitute Memory Reception	Your machine's ability to store an incoming document into its memory, when it runs out of recording paper or toner.
TCP/IP (Transmission Control Protocol/ Internet Protocol)	TCP/IP is a suite of protocols used to connect to the Internet and wide-area networks.
TIFF Image Viewer	An application software to view the contents of TIFF-F File. Some TIFF Image Viewers may not display the data properly.
TIFF-F (Tagged Image File Format)	An image file format for attachments of graphic data for smooth transmission between different units. The coding method of this format supports the same coding as Modified Huffman (MH) and multiple-page image data.
User Parameter	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
Verification Stamp	A user selectable transmission verification stamp can be placed on scanned documents that are successfully transmitted or stored in memory.
View Mode - File List	Allows you to view the brief contents of the memory files through the LCD display without having to print the Memory File List.
View Mode - Journal	Allows you to view the brief contents of the journal through the LCD display without having to print the journal.

Appendix

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